

S-114-1

THIS FORM TO BE SUBMITTED ALONG WITH FORM NO. 114 NOT LATER THAN 10 DAYS AFTER WELL COMPLETION OR ABANDONMENT IF A DRY HOLE. SHOW HISTORICAL DETAILS IN CHRONOLOGICAL ORDER, WITH DATE, CONDITION AND DEPTH OF HOLE. SHOW CHANGES IN TYPE OF MUD WITH REASONS. LOST CIRCULATION, BLOWOUTS, SURVEYS FOR DEVIATION FROM VERTICAL, DRILL STEM TESTS, CORING DEPTHS, ELECTRICAL SURVEYS, DESCRIPTION OF POSSIBLE PRODUCING ZONES Cased Off, DESCRIPTION OF CASING JOBS SHOWING TYPES OF SHOES AND FLOAT EQUIPMENT, DETAILS OF CASING PULLED PRIOR TO COMPLETION, SIDETRACKED FISH, SHOT AND ACIDIZING RECORDS, PLUGS, ETC.

USE TYPEWRITER.

HISTORY OF WELL  
AT TIME OF COMPLETION

LEASE NW 1-27-7 WELL NO. 9  
SEC. 1 T. 27 R. 7 COUNTY Osage  
STATE Okla FIELD Blackland  
A.F.E. NO. 20659

MAR 06 1986

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

1965

- Aug. 1 Location 1650' FSL and 990' FWL of NW/4 of Sec. 1-27-7. Burgess sand development well. Mesker Drilling Co. moving in tools. RUP.
- 2 Spudded 7 7/8" hole at 8 PM. Drilled to 57' in Lime - Bit #1 - Drilling with water.
- 3 Drilled to 730' in Sand with Sh & Lime streaks - Bit #2 - Progress 673' - Drilling with water -
- 4 Drilled to 1227' in Shale with Sand & Lime Streaks - Bit #5 - Progress 547' - SHT 1° at 821 and 1 1/4° at 988' - Drilling with water.
- 5 Drilled to 1630' in Lime - Bit #7 - Progress 403' - SHT 1 1/4° at 1630' Mud Wt. 9.7#, Vis 33, WL 12 -
- 6 Drilled to 1945' in Shale and Sand - Bit #8 - Progress 315' - SHT 1 1/4° at 1896' - Mud Wt. 9.7#, Vis 35
- 7 Drilled to 2247' in Lime - Bit #10 - Progress 302' - SHT 1 1/4° at 1994' Mud Wt. 9.5, Vis 35.
- 8 Drilled to 2269' in Lime - Bit #11 - Lost hammer in hole - Fishing for hammer - Mud Wt. 9.5#, Vis 35
- 9 Fished out hammer. Drilled to 2308' in Lime - Bit #13 - Progress 39' - SHT 1 1/2° at 2306' - Mud Wt. 9.6#, Vis 35, WL 8 cc
- 10 Drilled to 2565' in Miss. Chat. Bit #15 - Progress 259' - SHT 2° at 2423'. Mud Wt. 9.7#, Vis 34, WL 8 cc
- 11 Drilled to TD 2657'. Ran IES sonic logs. Top Chat 2565', Top Miss 2624'
- 12 Ran 83 Jts. 5 1/2", 14#, J-55, 8 Rd. Thd. Casing and set at 2657'. Float collar at 2626'. Cemented with 150 Sx. 50-50 pozmix, 10% salt and 1/2% CFR-2 and 1/4# Flocele per sack. Plug down 2:35 AM Cemented down 672' of 1" pipe with 200 Sacks pozmix with 8% gel and 10% salt and 1/2% CFR-2. Circulated to surface. Completed 8:20 AM - WOC

EPA 6W-S  
REGION VI  
RECEIVED  
MAR 06 1986  
EPA 6W-S  
REGION VI

CORRECT

L. T. Moffatt

ENGINEER

APPROVED

SUPERINTENDENT

10-9 OS0922 2 of 177

**SUNRAY MID-CONTINENT OIL COMPANY**

DATE \_\_\_\_\_

8/14/65

**LEASE**

NY-27-7

WELL NUMBER

9

SHOW IN ORDER FROM TOP TO BOTTOM--MEAS. THREADS OFF

ON HAND

RUN IN ~~WELL~~

EXCESS

SIZE	WEIGHT	GRADE	THREAD	COUPLING	MAKE	NO. JTS.	FOOTAGE	NO. JTS.	FOOTAGE	NO. JTS.	FOOTAGE
------	--------	-------	--------	----------	------	----------	---------	----------	---------	----------	---------

SIZE	WEIGHT	GRADE	THREAD	COATING	MAKE	QUANTITY	PRICE	TOTAL	DATE
5 1/2" OD	14#	JS	8rd	STC	Youngstown	84	2689.50	83	2657.92

RECEIVED  
MAR 06 1986  
EPA SW-S  
REGION VI

RECEIVED  
MAR 06 1986  
EPA BW-S  
REGION VI

DRILL PIPE		LOG		EQUIPMENT RUN AS FOLLOWS (TOP TO BOTTOM) (MEASUREMENT - THREADS - OFF)			
TD	2659	2659	DATE RUN	8/11/65	NO. OF JOINTS	LENGTH	DEPTH TO ITEMS
PBTD	DRILL PIPE	GAMMA-RAY	Top of Casing Tubing or Liner	<input checked="" type="checkbox"/> ABOVE <input type="checkbox"/> BELOW	DATUM POINT		
HOLE SIZE	AT TOTAL DEPTH		5 1/2" OD 14" IS Casing		82	2629.59'	2626.84'
	7 7/8"		Baker That Casing		1	1.63	2628.47'
	ABOVE REDUCTION POINT		5 1/2" OD 14" IS Casing		1	28.33	2656.80'
	DEPTH OF REDUCTION POINT		Baker Guide Shoe		1	.87	2657.67'
ELEVATION	DATUM POINT (GRD-KB-DF)						
	K.B. 6' above gld.						
	DATUM POINT ELEVATION						
	1158'						
	DISTANCE TOP OF TUBING HEAD FLANGE OR CASINGHEAD FLANGE ABOVE OR BELOW DATUM POINT:						
	FEET <input type="checkbox"/> ABOVE <input type="checkbox"/> BELOW						
CASING- HEAD	SIZE						
	SERVICE PRESSURE						
PROD. PERFS.	ELECTRIC LOG						
	GAMMA RAY						
WEIGHT ON SLIPS							
TYPE OF TUBING BOTTOM							
TYPE OF TUBING HANGER							
COUPLINGS TESTED TO							
TORQUE							
THREAD LUBRICANT							
Kaper Kote							
TOTALS							
LESS: COLLAPSE OF PACKER OR WEIGHT ON PACKER							
CASING POINT, TUBING POINT OR BOTTOM OF LINER						2658	

[illegible]

REMARKS (INDICATE HOW RUN, ETC.)

2. Conn. of Baskets @ 400' & 700'  
Ran 33 yds 672' 1" pipe & traps out of 5 1/2" casing to a mud  
Top.

**SIGNED**

SIGNED *David R. [illegible]*



050922  
6222  
06

FORM F  
Approved by the Secretary of the Interior  
March 20, 1952

CONTRACT NUMBER

I-68-IND-333

# OSAGE MINING LEASES

(Must be executed in duplicate).

## Assignment of Oil Mining Lease

WHEREAS, The Secretary of the Interior has heretofore approved oil mining lease, dated May 29, 1920 Entered into by and between Coffey Gillespie Oil Co.

lessee, and the Osage Tribe of Indians, lessor, covering the following described land in the Osage Reservation, State of Oklahoma:

NW/4 of Section 1, Township 27 North, Range 7 East

Osage County, Oklahoma

Now, therefore, for and in consideration of (\$ 10.00 ), dollars the receipt of which is hereby acknowledged, Wandering Star Partners, No. 1, L.L.L.P., successor in interest to Coffey Gillespie Oil Co., the lessee in the above described lease, hereby bargains, sells, transfers, assigns and conveys all of its

right, title and interest of the lessee in and to said lease, subject to the approval of the Secretary of the Interior, to:

Star Resources, LLC an Oklahoma Limited Liability Company

Star

2526 East 71st St., Suite A

Tulsa, Oklahoma 74136

In Witness whereof the said lessee has hereunto set its hand this 15th day of July 20 11.

ATTEST:

Secretary  
(SEAL)

Wandering Star Partners, No. 1, L.L.L.P.,

By:

Manager of its General Partner, Mariah Exploration LLC

## ACKNOWLEDGEMENT OF INDIVIDUAL

STATE OF OKLAHOMA COUNTY OF WASHINGTON, SS:

Before me, a Notary Public, in and for said County and State on this 15th day of July 20 11 personally appeared Chris Mauter

to me known to be the identical person who executed the within and foregoing and annexed instrument for the consideration and purposes therein mentioned and set forth, and I do hereby so certify.

My commission expires 2/16/13

Notary Public



## ACKNOWLEDGMENT OF CORPORATION

STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_, SS:

On this \_\_\_\_\_ day of \_\_\_\_\_ A.D. \_\_\_\_\_ before me, a Notary Public within and for the State and County aforesaid, personally appeared \_\_\_\_\_ and \_\_\_\_\_

to me personally known who, being by me duly sworn did each say that \_\_\_\_\_

is the \_\_\_\_\_ president and \_\_\_\_\_

is the secretary of \_\_\_\_\_

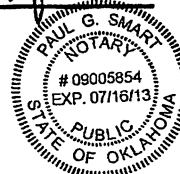
a corporation, and that the seal affixed to the foregoing and annexed instrument is the corporate seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board

of directors; and said \_\_\_\_\_  
 and \_\_\_\_\_ duly acknowledged that they each had in their said  
 official capacities executed the foregoing instrument as the act and deed of the said company for the consideration and  
 purposes therein mentioned and set forth, I do hereby so certify.

Witness my hand and seal on this 15 day of July 20 11

My commission expires 7/16/13

Notary Public



### ACCEPTANCE BY ASSIGNEE

The assignee in the above and foregoing assignment, made subject to the approval of the Secretary of the Interior, hereby  
 accepts such assignment and agrees to fulfill all the obligations, conditions, and stipulations in said described indenture of  
 lease, when assigned, and the rules and regulations of the Secretary of the Interior, so far as applicable thereto and to furnish  
 proper bond guaranteeing a faithful compliance with said lease and this assignment.

In Witness Whereof, the said assignee hereunto set \_\_\_\_\_ hand and seal the 15 day of July 20 11.

Attest:

Secretary

(SEAL)

James W. Hous  
President

### CONSENT OF SURETY

The \_\_\_\_\_ of \_\_\_\_\_  
 surety for \_\_\_\_\_ on the bond  
 accompanying the lease above described, hereby consents to the assignment and transfer of said lease as above made and  
 agrees that their original bond shall remain in full force and effect.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_.

DEPARTMENT OF THE INTERIOR  
 BUREAU OF INDIAN AFFAIRS  
 OSAGE AGENCY  
 PAWHUSKA, OKLAHOMA

Approved: **DEC - 7 2011**

Under the authority delegated by  
 209 DM 8, 230 DM 1, 3 IAM 4.1  
 and Muskogee Area Addendum  
 9901 to 3 IAM 4 issued June 22, 1999.

The within assignment is hereby approved pursuant to authority  
 delegated by 25 CFR 226.15 (b)

/s/ Melissa Currey  
 SUPERINTENDENT

Escrow Bank: Bancfirst  
Bank Address: 8822 S Yale Ave Tulsa, OK 74137  
Date: July 12, 2011

WE, THE UNDERSIGNED Jireh Resources LLC, and the SUPERINTENDENT,  
OSAGE AGENCY, BUREAU OF INDIAN AFFAIRS (The "Superintendent") hereby deposit with  
BancFirst ("escrow bank") the following monies to-wit:

FIFTY THOUSAND AND NO/100 DOLLARS (\$50,000)

Which shall be held by the said bank in escrow under the following instruction, to-wit:

- (a) The account shall be designated as the Jireh Resources LLC - Osage  
Account # 0591000100. Said certificate of deposit shall be purchased and owned by  
Jireh Resources LLC subject to conditions set forth  
below;
- (b) The Escrow Funds will be invested in one certificates of deposit and shall be  
automatically reinvested at then existing interest rates until the Escrow Agreement is terminated;
- (c) The superintendent may draft upon the Escrow funds upon the submission to the Escrow Agency  
of a sworn affidavit by the Superintendent stating that (i) Jireh Resources LLC is in  
default with regard to its obligations under Department of Interior regulations governing oil &/or  
gas leases covering lands located within Osage County, Oklahoma and (ii) the Superintendent has  
given Jireh Resources LLC thirty days notice of such default (including a  
specific description of the default) and the opportunity to cure same within said thirty (30) day  
period; unless said default is the subject of litigation in which case said funds shall remain in  
escrow;
- (d) Any funds remaining in the Escrow Account on the termination date (as defined below) will be  
distributed to Jireh Resources LLC;
- (e) All accrued interest shall be credited to Jireh Resources LLC and not added to  
the certificate of deposit;

DDA#0591003149

Subject, however, to the following terms, exceptions, provision and conditions.

1. The escrow bank shall be liable as a depository only and shall not be responsible for the  
sufficiency or accuracy of the form, execution or validity of documents deposited hereunder, or any  
description of property or other things therein, nor shall it be liable in any respect on account of the  
identity, authority, or rights of the persons executing or delivering or purporting to execute or deliver any  
such document or paper.
2. The escrow bank, as part of the consideration for the acceptance of this escrow, shall not be liable  
for any acts or omissions done in good faith, nor for any claims, demands or losses, nor for any damages  
made and suffered by any party to this escrow, excepting such as may arise through or be caused by its  
willful or gross negligence.
3. The escrow bank shall not be liable for collection items until the proceeds of the same in actual  
cash have been received, and in making collections of items deposited hereunder, the parties hereto agree  
that the escrow bank may collect the same under the procedures customarily employed by it in handling  
other collections, nor shall it be liable for the default in payment of any installment of principal or interest  
nor shall it be liable for failure to demand payment of any instrument, present the same for payment or  
protest the same or given notice of protest of nonpayment thereof, nor the outlawing of any rights under the  
Statute of Limitations in respect to any document deposited; nor for interest on any deposit of money. It  
may rely upon any paper, document, or other writing believed by it to be authentic in making any delivery  
of money or property hereunder. The escrow bank shall in no way be responsible nor shall it be its duty to  
notify any party hereto or party interested in this escrow deposit of any payment or maturity, under the  
terms of any instrument deposited herewith.

4. It is agreed that this escrow contract shall not be terminated until the Superintendent authorizes such termination in writing or Bank gives 30 days written notice of its desire to cease serving as escrow agent.
5. It is further understood and agreed between the parties that these instruments supersede any other contract with reference to this escrow deposit, insofar as said escrow bank is concerned, and that the said bank may rely absolutely hereon to the exclusion of any and all other agreements between the parties hereto.
6. This Agreement shall be binding on the successors and assigns of the parties hereto.
7. This Agreement may be amended by written instrument executed by all parties.
8. Jireh Resources LLC may assign its interest in the Escrow Account subject to the approval of the Superintendent and the escrow bank.
9. The escrow bank shall provide Jireh Resources LLC and the Superintendent with semi-annual statements reflecting the balances and activity of the Escrow Account.
10. The escrow bank shall be paid an escrow fee of \$ 150.00 for each certificate so issued.
11. This certificate of deposit shall be subject to all normal banking rules and regulations including Regulation Q.

## PARTIES TO ESCROW CONTRACT

Jireh Resources LLC  
(PRINTED NAME OF COMPANY OR INDIVIDUAL)  
Steven W. House  
(SIGNATURE OF COMPANY AGENT OR INDIVIDUAL)

APPROVED:

NOV - 8 2011

Under the authority delegated by 209 DM 8,  
230 DM 1, 3 IAM 4.1 and Muskogee Area  
Addendum 9904 to 3 IAM 4 issued June 22, 1999

Melissa Curry  
SUPERINTENDENT, OSAGE AGENCY  
BUREAU OF INDIAN AFFAIRS

FILE COPY
SURNAME
<u>A. Davis</u>
<u>Hub</u>

ACCEPTED:

Bank First 918-664-3462  
Bank Telephone No.

8808 S. Yale Tulsa OK 74137  
Address of Bank

Andrew Ketchum V.P. + Branch Manager  
BY: Signature and Title of Bank Officer

## RECEIPT AND RELEASE

All monies, documents and papers relative to this escrow deposit have been received to our entire satisfaction this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, and the escrow bank herein relieved from all further liability or responsibility with reference thereto.

\_\_\_\_\_  
Date: \_\_\_\_\_





# Receipt for Certificate of Deposit Time Account

Product: 365 DAYS	Account #: 591000100
Date: 07/11/2011 BUS Phone: 918-760-2030	Account Owner(s) and Mailing Address:
Plan ID#: 000 Phone:	JIREH RESOURCES LLC
New <input checked="" type="checkbox"/> Rev <input checked="" type="checkbox"/> CSR: SDENIZOT	BUREAU OF INDIAN AFFAIRS
Comments:	2526 E 71ST ST STE A
This account is opened with the following type of account title:	TULSA, OK 74136

## Payor's Request for Taxpayer's Identification Number and Certification

Taxpayer Identification Number: 26-4212846

Certification - Under penalties of perjury, I certify that:

- (1) The number shown on this form is my correct taxpayer identification number and
- (2) I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding.
- (3) I am a U.S. Person (including a U.S. resident alien)

Certification Instructions - You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, the acquisition or abandonment of security property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN.

Signature:

Date:

### Account Term

Interest Rate: .750% APY: .75% Rate Changer: Y Opening Deposit: 50,000.00

Opening Date: 07/11/2011 Term: 365 Days Maturity Date: 07/10/2012 Signatures Required for Withdrawal: 1

Consisting Of: 50000.00

### Account Options

<input type="checkbox"/> Maturity <input type="checkbox"/> Single Maturity <input checked="" type="checkbox"/> Automatic Renewal	<input type="checkbox"/> Interest will be paid every 365 days
<input type="checkbox"/> Interest will be paid by:	<input type="checkbox"/> Check <input type="checkbox"/> Add it back to account principal <input checked="" type="checkbox"/> Transfer to checking/savings account # 000591003149 <input type="checkbox"/> Transfer to another financial institution: R/T #: Account #: Bank Name: ACH trancode:

THIS BOOK ENTRY ACCOUNT IS SUBJECT TO THE BANCFIRST DEPOSIT AGREEMENT

THIS ACCOUNT IS NOT NEGOTIABLE AND IS NOT TRANSFERABLE

Authorized Bank Signature:

BANK USE ONLY

Processed By:

Branch:

Date:

VERIFIED:   /YES   /NO    OSAGE VERIFICATION FORM NO.: 922WELL NUMBER: 9 ~~2221277~~ PROJECT/FIELD/UNIT: BLACKLAND

IS LOCATED IN QTR SECTION: NW SECTION: 1 TOWNSHIP: 27 RANGE: 7

1650 FEET FROM THE: SOUTH LINE AND: 990 FEET FROM THE: WEST LINE

-----LEGAL OWNER----- OPERATOR-----  
NAME: Drummond & Hull Oil Co. John T. Hull  
~~SUN EXPL & PROD CO~~ ~~SUN EXPL & PROD CO~~  
STREET: P. O. Box 1268 P. O. Box 1268  
~~PO BOX 2800~~ ~~PO BOX 2800~~  
CITY/ST/ZIP: Pawhuska, Ok 74056 Pawhuska, Ok 74056  
~~TULSA~~ ~~OK 74102~~ ~~TULSA~~ ~~OK 74102~~  
TELEPHONE: 918-287-2051 or 918-287-2339

WELL TYPE: ENHANCED RECOVERY

DRILLED ON: 08/12/65

GROUND ELEVATION IS: 1157 FEET TOTAL DEPTH IS: 2657 FEET

PLUGGED BACK TO: 2570 FEET CONVERTED ON: 08/25/72

STATUS IS: ACTIVE

PERMANENTLY ABANDONED ON:   /  /  

TUBING AND CASING:	SIZE	DEPTH	CEMENT
SURFACE:	<u>  </u> INCHES	<u>  </u> FEET	<u>  </u> SACKS
INTERMEDIATE:	<u>  </u> INCHES	<u>  </u> FEET	<u>  </u> SACKS
PRODUCTION:	5.50 INCHES	2658 FEET	350 SACKS
TUBING SIZE:	<u>  </u> INCHES	BORE HOLE SIZE: <u>  </u> INCHES	
DEPTH OF PACKER:	2531 FEET		

INJECTION DATA:

INJECTION FLUID IS:

SALT WATER

INJECTION VOLUME IS:

806 BARRELS/DAY MAX

WELL HEAD INJECTION PRESSURE IS: 175 PSI MAX

INJECTION INTERVAL 1 IS FROM: 2547 FEET TO: 2570 FEET

FORMATION NAME IS: MISSISSIPPI

INJECTION INTERVAL 2 IS FROM:    FEET TO:    FEETFORMATION NAME IS:   

RECEIVED

JAN 20 1985

JAN 14 1985

JAN 21 1985

JAN 23 1985

OSAGE UIC PROGRAM

Hull

OSAGE VERIFICATION FORM  
\*\*\*\*\*

31

FORM WELL#	FORM WELL#	FORM WELL#	FORM WELL#	FORM WELL#
****	*****	****	*****	****
3759	5	922	9	

I CERTIFY THAT THE INFORMATION ON THE ENCLOSED VERIFICATION FORMS FOR THE ABOVE WELLS IS COMPLETE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

John J. Hull operator 1-21-85  
SIGNATURE OF OWNER/OPERATOR DATE

918-287-2051 or 918-287-2339  
TELEPHONE NUMBER

RECEIVED

JAN 21 1985

OSAGE UIC PROGRAM

JAN 23 1985

JAN 24 1985



(Blackland) #9

17 FEB 1983

## INJECTION WELL DATA VALIDATION FORM NO. 922

## OWNERSHIP DATA

## WELL OPERATOR

SUN EXPLORATION & PRODUCTION Co.  
SUN OIL CO  
PO BOX 3800  
TULSA

OK 74102

O NW 1 27 7

WELL NUMBER ~~9D~~ IN THE (PROJECT/FIELD/UNIT) BLACKLAND  
IS LOCATED IN TOWNSHIP 27, RANGE 7, SECTION 1, QTR SECTION NW  
1650 FEET FROM THE SOUTH LINE AND  
990 FEET FROM THE WEST LINE

## LEGAL OWNER

SUN EXPLORATION & PRODUCTION Co.  
SUN OIL CO  
PO BOX 3800 ~~2880~~ Box 3800

TULSA DALLAS OK TX OK 74102

Tulsa BLACKLAND

75221  
74102

## WELL DATA

WELL STATUS IS ACTIVE  
WELL TYPE IS ENHANCED RECOVERY  
DRILLED ON 08/12/65  
CONVERTED ON 08/25/72

SURFACE ELEVATION IS ~~1152~~ 1157 FEET  
TOTAL DEPTH IS 2657 FEET  
PLUGGED BACK TO 2570 FEET  
ABANDONED ON 0/0/0

## TUBING AND CASING

	SIZE	DEPTH	CEMENT SACKS
SURFACE	0.0 INCHES	0 FEET	0
INTERMEDIATE	0.0 INCHES	0 FEET	0
PRODUCTION	5.50 INCHES	2658 FEET	350
TUBING SIZE	0.0 INCHES		
DEPTH OF PACKER IS	2531 FEET		

## INJECTION DATA

INJECTION FLUID IS SALT WATER  
INJECTION VOLUME IS ~~1012~~ 806 BARRELS/DAY  
WELL HEAD INJECTION PRESSURE IS 175 PSI

INJECTION INTERVAL 1 IS FROM 2547 FEET TO 2570 FEET  
FORMATION IS MISSISSIPPI

INJECTION INTERVAL 2 IS FROM 0 FEET TO 0 FEET  
FORMATION IS 0



Reviewer

Stephanie Johnson

Date

2-11-86

Form/Permit #

922

Company Name

Drummond & Hull Oil Co.

Well #

9

Location

NW 4; Sec. 1; T 27 N; R 7 E1650 FSL; 990 FWL

## TECHNICAL REVIEW

04Type Injection Well: (EOR/SWD/HC Storage) (New/Conversion) (Active/Inactive)Injection: (Continuous/Cyclic)

Approximate # days operating/year

Rate (B/D): Average

Maximum

806 B/D

Wellhead pressure (psi): Average

Maximum

175 psi

Fluid: TDS

Sp. Gr. 1.1

Analyses included: (yes/no)

Source (formation name)

Mississippi

Geologic Data (all references to depths are below land surface)

Base of Historical Usable Water:

29' at 3000' NW

Base of USDW and how determined:

670' at 1162' Base USDW at 1157' = 1665'Injection Interval: Top 2547'; Bottom 2570'; Effective Thickness 23'

Formation name

Mississippi

Lithology

Porosity (%)

Initial Reservoir Pressure

Date

Permeability (md)

Confining Zones: Thickness between injection zone and USDW

Lithology

Cumulative shale: thickest shale zone (interval)

Well Data: (all references to depths are below land surface)

Surface Elevation: 1157' (KB/GL)TOTAL DEPTH: 2657'

Date Drilled or to be drilled:

8-12-65

Date converted:

8-25-72

Type logs available on (this well/offset well):

(By reference/included)

Test data: (By reference/included)

Construction:	Size (in)	Depth Interval	Sacks of Cement	Hole Size	Cement Interval	How Determined
Surface Csg.			<u>200</u>		<u>0-672</u>	<u>info sent in</u>
Intermediate Csg.						
Long String Csg.	<u>5.5</u>	<u>2658</u>	<u>350</u>	<u>7 7/8</u>	<u>435'-2658'</u>	<u>CALCULATIONS</u>
Liner			<u>150</u>		<u>1706'-2658'</u>	<u>CALCULATIONS</u>
Tubing						
Packer type and depth <u>2531'</u>						
$\text{TYPE CEMENT} = \frac{\text{cu ft}}{\text{sx}} \times \frac{\# \text{ of sx}}{\text{sx}} = \frac{\text{TOTAL cu ft of CEMENT}}{\text{cu ft}} \times \frac{\text{LIN FT (FROM TABLES)}}{\text{cu ft}} = \text{LIN FT of CEMENT}$						

AOR (1/4 mile radius)

1.1 volume

Map submitted: (yes/no)

Tabulation of Wells Submitted: (yes/no)

Faults Located: (yes/no); (none Present/Distance from injection well)

Number of wells in AOR:

Total (Abandon); Production; Injection

Number of wells in zone of Endangering Influence: Total

Number of wells Requiring Corrective Action: Total (list below)

Well	Type Well	Problem	Corrective Action Required

Maximum Injection Pressure Calculation  $P_m = (\text{Frac Gradient} - (0.433 \times \text{Sp.Gr.})) \text{ depth}$ 

$$P_m = (0.75 - (0.433 \times 1.1)) \times 2547 = 697 \text{ (psi)}$$

Technical Review (Passed/Failed)

additional information sent in 2 stage cementing job

#7 inadequate cement behind long string

050922



## United States Department of the Interior

## BUREAU OF INDIAN AFFAIRS

Osage Agency  
P.O. Box 1539  
Pawhuska, Oklahoma 74056-1539



06

NOV - 8 2005

## WEEKLY LEASE CHANGES FOR THE WEEK ENDING NOVEMBER 4, 2005

## ASSIGNMENTS

OIL AND GAS MINING LEASES:

Fr. SE/4 32 & Fr. SW/4 33 ALL IN 22-07	G06-9690	Seveness Ltd. Company assigned all of its interest as follows: 14.285715% interest to Uptown, Inc. and 14.285715% interest to AHA, LLC.
NW 12-24-07 NW 07-25-07	G06-10976 G06-16941	John T. Hull dba Hull Oil Company assigned all of his 100% interest to Wandering Star Partners No. 1, LLLP.
Fr. SE 15-21-12	G06-10831	William A. Sneed assigned all of his 1% interest to Black Dot Oil, Inc.

OIL MINING LEASES:

SW 36-24-07	IND-26979	John T. Hull dba Hull Oil Company assigned all of his 100%
NW 01-27-07	IND-333	interest to Wandering Star Partners No. 1, LLLP.

BLANKET OIL MINING LEASE:

ALL OF 11-24-07	G06-2594	John T. Hull dba Hull Oil Company assigned all of his 100% interest to Wandering Star Partners No. 1, LLLP.
--------------------	----------	--

*Melissa Curvey*  
SUPERINTENDENT



DATE 11/16/05 BY: lg PERMIT # \_\_\_\_\_ ABR 053759 #3  
050922 #9Well Location: 1/4 Sec. NW Sec. 1 Twp 22 Rge 7 Well # \_\_\_\_\_

\_\_\_\_\_ F \_\_\_\_\_ L AND \_\_\_\_\_ F \_\_\_\_\_ L

OWNER

NAME: Wandering Star #1

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

PHONE: (\_\_\_\_) \_\_\_\_\_

OPERATOR:

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

PHONE: \_\_\_\_\_

FILE AVAILABLE: \_\_\_\_\_ DATE CHECKED: \_\_\_\_\_

BIA APPROVED: 10-14-05INTEREST OWNED: 100%

TYPE OF FINANCIAL RESPONSIBILITY:

SINGLE LEASE: \_\_\_\_\_ COUNTY LEASE: X NATION WIDE: \_\_\_\_\_BONDS: X LETTER OF CREDIT: \_\_\_\_\_ ESCROW: \_\_\_\_\_ CERT. OF DEPOSIT: \_\_\_\_\_AMOUNT OF FINANCIAL RESPONSIBILITY: \$ 50,000SURETY: NAME: Osage Federal

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

INFO REQUESTED BY: \_\_\_\_\_ DATE INFO REQUESTED: \_\_\_\_\_

COPY OF: BOND: X ASSIGNMENT: X COPIES SENT: X DATE SENT: 11-16-05PREVIOUS OWNER: NAME: Hull Oil Co.

FORM F

Approved by the Secretary of the Interior  
March 20, 1952

CONTRACT NUMBER

I-68-IND-333 ✓

## OSAGE MINING LEASES

(Must be executed in duplicate)

Assignment of Oil Mining LeaseWHEREAS, The Secretary of the Interior has heretofore approved oil mining lease, dated 6/28/2020. Entered into by and between  
Guffey Gillespie Oil Company

lessee, and the

Osage Tribe of Indians, lessor, covering the following described land in the Osage Reservation, State of Oklahoma:

NW/4 Sec. 1 T27N R7E160 acres m/cNow, therefore, for and in consideration of (\$ 10.00), dollars the receipt of which is hereby acknowledged, the saidJohn T. Hull d/b/a Hull Oil Companythe lessee in the above described lease, hereby bargains, sells, transfers, assigns and conveys all his 100%

right, title and interest of the lessee in and to said lease, subject to the approval of the Secretary of the Interior, to:

Wandering Star Partners No. 1, LLLP, 5105 DTC Parkway, Suite 450,Greenwood Village, CO 80111In Witness whereof the said lessee has hereunto set his hand this 12th day of October 20 05.

ATTEST:

Secretary  
(SEAL)John T. Hull d/b/a Hull Oil Company

## ACKNOWLEDGEMENT OF INDIVIDUAL

STATE OF OKLAHOMA COUNTY OF WASHINGTON, SS:Before me, a Notary Public, in and for said County and State on this 12th day of October 20 05,  
personally appeared John T. Hull d/b/a Hull Oil Companyto me known to be the identical person who executed the within and foregoing and annexed instrument for the  
consideration and purposes therein mentioned and set forth, and I do hereby so certify.

Notary Public

My commission expires 9.5.08

## ACKNOWLEDGMENT OF CORPORATION

STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_, SS:

On this \_\_\_\_\_ day of \_\_\_\_\_ A.D. 20 \_\_\_\_\_ before me, a Notary Public within and for the State  
and County aforesaid, personally appeared \_\_\_\_\_ and \_\_\_\_\_

to me personally known who, being by me duly sworn did each say that \_\_\_\_\_

is the \_\_\_\_\_ president and \_\_\_\_\_

is the secretary of \_\_\_\_\_

a corporation, and that the seal affixed to the foregoing and annexed instrument is the corporate  
seal of said corporation, and that said instrument was signed and sealed in behalf of said corporation by authority of its board



of directors; and said \_\_\_\_\_  
 and \_\_\_\_\_ duly acknowledged that they each had in their said  
 official capacities executed the foregoing instrument as the act and deed of the said company for the consideration and  
 purposes therein mentioned and set forth, I do hereby so certify.

Witness my hand and seal on this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

\_\_\_\_\_  
 Notary Public

My commission expires \_\_\_\_\_

### ACCEPTANCE BY ASSIGNEE

The assignee in the above and foregoing assignment, made subject to the approval of the Secretary of the Interior, hereby  
 accepts such assignment and agrees to fulfill all the obligations, conditions, and stipulations in said described indenture of  
 lease, when assigned, and the rules and regulations of the Secretary of the Interior, so far as applicable thereto and to furnish  
 proper bond guaranteeing a faithful compliance with said lease and this assignment.

In Witness Whereof, the said assignee hereunto set its hand and seal the 12th day of October 2005.

Attest:

Wandering Star Partners No. 1, LLLP

Secretary

BY: Mariah Exploration, LLC, its General Partner

(SEAL)

Chris Mauter, Manager

### CONSENT OF SURETY

The \_\_\_\_\_ of \_\_\_\_\_  
 surety for \_\_\_\_\_ on the bond  
 accompanying the lease above described, hereby consents to the assignment and transfer of said lease as above made and  
 agrees that their original bond shall remain in full force and effect.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_

CHANGE OF OPERATOR	
NEW OPERATOR	ISSUE LESSEE ID
<u>1718</u>	
NEW OR <u>EXISTING</u> BOND	
RETAINS	W.I.
MO. RPTS BY <u>Wandering Star Partners</u>	
<u>1</u>	# OF ASSIGNMENTS

DEPARTMENT OF THE INTERIOR  
 BUREAU OF INDIAN AFFAIRS  
 OSAGE AGENCY  
 PAWHUSKA, OKLAHOMA

Approved:

NOV - 2 2005

Under the authority delegated by  
 209 DM 8, 230 EM 1, 3 IAM 4.1  
 and Muskogee Area Addendum  
 9901 to 3 IAM 4 issued June 22,  
 1999.

FILE COPY
SURNAME
<u>E. Howze</u>
<u>Chris Mauter</u>
<u>JSW</u>

\$ 50,000 Escrow # 0110055640

The within assignment is hereby approved pursuant to authority  
 delegated by 25 CFR 226.15 (b)

Minerals Assignments are categorical  
 exclusions under 30 BIA Supp. 1.

10/20/05 Chell  
 Date Agency Environmental Officer

Melissa Currey  
 SUPERINTENDENT

COPY

Escrow Bank: OSAGE FEDERAL BANK  
 Bank Address: PO BOX 26 - PAWLEKA, OK 74056  
 Date: 09-26-05

WE, THE UNDERSIGNED WANDERING STAR PARTNERS #1 LLP, and the SUPERINTENDENT, OSAGE AGENCY, BUREAU OF INDIAN AFFAIRS (The "Superintendent") hereby deposit with OSAGE FEDERAL BANK ("escrow bank") the following monies to-wit:

FIFTY THOUSAND AND NO/100 DOLLARS (\$50,000)

Which shall be held by the said bank in escrow under the following instruction, to-wit:

- (a) The account shall be designated as the OSAGE FEDERAL BANK - Osage Account # 0110055640. Said certificate of deposit shall be purchased and owned by WANDERING STAR PARTNERS #1 LLP subject to conditions set forth below;
- (b) The Escrow Funds will be invested in 6 MONTHS certificates of deposit and shall be automatically reinvested at then existing interest rates until the Escrow Agreement is terminated;
- (c) The superintendent may draft upon the Escrow funds upon the submission to the Escrow Agency of a sworn affidavit by the Superintendent stating that (i) WANDERING STAR PARTNERS #1 LLP default with regard to its obligations under Department of Interior regulations governing oil &/or gas leases covering lands located within Osage County, Oklahoma and (ii) the Superintendent has given WANDERING STAR PARTNERS #1 LLP thirty (30) days notice of such default (including a specific description of the default) and the opportunity to cure same within said thirty (30) day period; unless said default is the subject of litigation in which case said funds shall remain in escrow;
- (d) Any funds remaining in the Escrow Account on the termination date (as defined below) will be distributed to WANDERING STAR PARTNERS #1 LLP;
- (e) All accrued interest shall be credited to WANDERING STAR PARTNERS #1 LLP and not added to the certificate of deposit;

Subject, however, to the following terms, exceptions, provision and conditions.

1. The escrow bank shall be liable as a depository only and shall not be responsible for the sufficiency or accuracy of the form, execution or validity of documents deposited hereunder, or any description of property or other things therein, nor shall it be liable in any respect on account of the identity, authority, or rights of the persons executing or delivering or purporting to execute or deliver any such document or paper.
2. The escrow bank, as part of the consideration for the acceptance of this escrow, shall not be liable for any acts or omissions done in good faith, nor for any claims, demands or losses, nor for any damages made and suffered by any party to this escrow, excepting such as may arise through or be caused by its willful or gross negligence.
3. The escrow bank shall not be liable for collection items until the proceeds of the same in actual cash have been received, and in making collections of items deposited hereunder, the parties hereto agree that the escrow bank may collect the same under the procedures customarily employed by it in handling other collections, nor shall it be liable for the default in payment of any installment of principal or interest nor shall it be liable for failure to demand payment of any instrument, present the same for payment or protest the same or given notice of protest of nonpayment thereof, nor the outlawing of any rights under the Statute of Limitations in respect to any document deposited, nor for interest on any deposit of money. It may rely upon any paper, document, or other writing believed by it to be authentic in making any delivery of money or property hereunder. The escrow bank shall in no way be responsible nor shall it be its duty to notify any party hereto or party interested in this escrow deposit of any payment or maturity, under the terms of any instrument deposited herewith.

4. It is agreed that this escrow contract shall not be terminated until the Superintendent authorizes such termination in writing or Bank gives 30 days written notice of its desire to cease serving as escrow agent.
5. It is further understood and agreed between the parties that these instruments supersede any other contract with reference to this escrow deposit, insofar as said escrow bank is concerned, and that the said bank may rely absolutely hereon to the exclusion of any and all other agreements between the parties hereto.
6. This Agreement shall be binding on the successors and assigns of the parties hereto.
7. This Agreement may be amended by written instrument executed by all parties.
8. ~~WINDING STAR PARTNERS #1 LLP~~ may assign its interest in the Escrow Account subject to the approval of the Superintendent and the escrow bank.
9. The escrow bank shall provide ~~WINDING STAR PARTNERS #1 LLP~~ and the Superintendent with semi-annual statements reflecting the balances and activity of the Escrow Account.
10. The escrow bank shall be paid an escrow fee of \$ - 0 - for each certificate so issued.
11. This certificate of deposit shall be subject to all normal banking rules and regulations including Regulation Q.

## PARTIES TO ESCROW CONTRACT

CARIS MASTER WINDING STAR PARTNERS #1 LLP  
 (PRINTED NAME OF COMPANY OR INDIVIDUAL)

\_\_\_\_\_  
 (SIGNATURE OF COMPANY AGENT OR INDIVIDUAL)

APPROVED: SEP 29 2005

Under the authority delegated by 209 DM 8,  
 230 DM 1, 3 IAM 4.1 and Muskogee Area  
 Addendum 9901 to 3 IAM 4 issued June 22, 1999

/s/ LARRAINE WILCOX

ACTING

SUPERINTENDENT, OSAGE AGENCY  
 BUREAU OF INDIAN AFFAIRS

## ACCEPTED:

Osage Federal Bank 918-287-2919  
 Bank Telephone No.

P.O. Box 26 - Pawhuska, OK. 74056  
 Address of Bank

Cynthia Laird - Manager Savings  
 BY: Signature and Title of Bank Officer

## RECEIPT AND RELEASE

All monies, documents and papers relative to this escrow deposit have been received to our entire satisfaction this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, and the escrow bank herein relieved from all further liability or responsibility with reference thereto.

Date: \_\_\_\_\_

IMAGING ROOM  
RECEIVED  
2005 DEC 12 PM 4:41



05

Date: 91/05/20

United States Environmental Protection Agency  
Region 6  
Underground Injection Control SystemPage No. 4  
Invrpt No. 4

Uic Key Number: OS092200

## =====G E N E R A L I N F O R M A T I O N=====

002 Formno: 0922	016 Grndel: 001157	030 Pckrdp: 002531
003 Qtrsec: NW	017 Totdep: 002657	031 Fludtp: 1 <i>Blank</i>
004 Sectno: 01	018 Pluggd: 002570	032 Injvol: <del>038897</del>
005 Twnshp: 27N	019 Welltp: 2	033 Rptvol: 038675
006 Ranges: 07E	020 Abndon:	034 Injprs: <del>0095</del> 697
007 Quadrn: N	021 Surfsz: .00	035 Rptprs: 0095
008 Lglloc: 1650S0990W	022 Surfdp: <del>000000</del>	036 Fstdep: 002547
009 Wellid: 9	023 Surfcm: <del>0200</del>	037 Fstfet: 002570
010 Projct: BLACKLAND	024 Intrsz: .00	038 Fstnme: 048
011 Owncod: <del>B0375</del> B0220 209	025 Intrdp: <del>000000</del>	039 Secdep: <del>000000</del>
012 Oprcod: B0375	026 Intrcm: <del>0000</del>	040 Secfet: <del>000000</del>
013 Verify: Y	027 Prodsz: 5.50	041 Secnme:
014 Wellst: 10586	028 Proddp: 002658	042 Swelev: <del>0000</del> 665
015 Drilld: 65/08/12	029 Prodcn: 0150	043 Divisn: 2N

## =====A U T H O R I Z E D D A T A=====

044 Flrvdt: 86/02/11	053 Mitdte: 90/08/08
045 Flrvwr: SJ Operator: HULL OIL CO	054 Mitmth: B
046 Flrvrs: P PO BOX 1268	055 Mitwtn: AY
047 Flrvcm: 7 PAWHUSKA OK 74056	056 Mitres: P
048 Flstcg: 86/03/05 <i>Drummond &amp; Hull Oil Co.</i>	057 Mitstc:
049 Mtrsch: Owner: <del>HULL OIL CO</del>	058 Rptlvl:
050 Mtrcod: PO BOX 1268	059 Arptrc: 91/04/18
051 Mtrcnt: <del>01</del> PAWHUSKA OK 74056	060 Mnlprs:
052 Mitcan:	061 Plugdt:

## =====P E R M I T T E D D A T A=====

062 Prmnum:	075 Pubhrn:	088 Fnlnod:
063 Tgisdt:	076 Rspcmt:	089 Pmterm:
064 Prmtyp:	077 Athinj:	090 Pmtexp:
065 Aprcdt:	078 Pmisdt:	091 Injbgn:
066 Appldt:	079 Pmefdt:	092 Totaor:
067 Emrgrq:	080 Apladm:	093 Abndor:
068 Apindt:	081 Admndt:	094 Prdaor:
069 Apcpdt:	082 Pmtmod:	095 Injaor:
070 Apwddt:	083 Modcnt:	096 Total1:
071 Emrgdt:	084 Drfmod:	097 Total2:
072 Drftdt:	085 Pubmod:	098 Total3:
073 Pubnot:	086 Cmtmod:	099 Total4:
074 Cmtend:	087 Hngmod:	100 Total5:

## =====I N S P E C T I O N D A T A=====

101 Insdue:	106 Insflw: A	111 Insrea: SEC
102 Insfrq: NR	107 Inslqr:	112 Viotyp:
103 Insdat: 89/01/31	108 Ins2qr:	113 Lastup: 91/04/19
104 Insptr: CE	109 Ins3qr:	114 Active: A
105 Insrsl: 1	110 Ins4qr:	115 Prvath:
116 Userid: PXX	117 Cnvdat:	118 Delrea:
119 Deldat:	120 Latcod: 365107	121 Loncod: 963025
122 County: 113	123 Tribes:	124 Pmtndy:
125 Emrdny:	126 Rptanl:	

09 MAY 2017

Scan Code: 21

REPLY TO: 6WQ-S

Certified Mail #7015 1520 0003 3990 0641 - Return Receipt Requested

Mr. David House, President  
Jireh Resources, LLC  
5206 E 110th PL  
Tulsa, Oklahoma 74137

Re: Requiring Existing Injection Well (Authorized by Rule) to Apply for a Permit

Inventory No.: OS0922  
Well No.: 9  
Location: NW/4, Sec. 1, T 27N, R 7E, 1650' FSL, 990' FWL  
Osage County, Oklahoma

Dear Mr. House:

Elevated levels of salinity in an upper tributary of North Bird Creek were confirmed during an Environmental Protection Agency (EPA) inspection conducted on August 16, 2016, and subsequent inspections. The chemical analysis of the fluid has confirmed it is from the Mississippi Lime/Chat. The presence of this fluid at the surface by migration through the underground source of drinking water (USDW) indicates the USDW is threatened. The referenced injection well is near the impacted area and is currently authorized by rule. This action is taken in accordance with the Underground Injection Control (UIC) program regulations (40 CFR Part 147.2915 "Requiring a permit for wells authorized by rule"), which state the "protection of USDWs requires that the injection operation be regulated by requirements which are not contained in the rule."

Therefore, you are required to submit a permit application for the referenced well to the EPA's Osage UIC Office in Pawhuska no later than 45 days after the date you receive this letter. Permit application materials are enclosed for your use. All information in the application and as listed in the regulations (40 CFR 147.2918, "Permit application information") must be submitted.

Additionally, UIC program regulations (40 CFR 147.2903 "Prohibition of unauthorized injection") state "no owner or operator shall construct, operate, maintain, convert, plug, or abandon any injection well...in a manner that allows movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation...or may adversely affect the health of persons." The UIC regulations (40 CFR 147.2918, "Permit application information") also state, "the applicant has the burden to show the proposed injection activities will not endanger USDWs."

In accordance with UIC program regulations (40 CFR Part 147.2915(a)(2)), EPA is requiring additional information to be submitted for use in EPA's permitting decision process. Within 30 days of receipt of this letter you are required to begin daily monitoring of injection pressure and injection rate, and indicate whether operations are on a continuous or cyclic basis. You are required to submit such information to EPA on a weekly basis until a final permit decision becomes effective, at which time you must follow the condition of your permit. EPA will provide you further information on the format, method of submittal, and to whom submittal shall be made. Also, all pressure and rate data collected since your last annual report shall be included with your permit application. This will not affect your obligation for monthly monitoring and reporting under 40 CFR 147.2913.

You are currently authorized by rule to conduct injection operations at this well. However, UIC regulations (40 CFR 147.2915(c)) state, "Injection is no longer authorized by rule upon the effective date of a permit or permit denial, or upon failure of the owner/operator to submit an application in a timely manner as specified" in this notice. Upon termination of authorization by rule, use of the well for fluid injection would be prohibited except under a permit.

If you have any questions, or would like to discuss this decision, please contact Phil Dellinger in our Dallas office at (214) 665-8324. If you need additional information or assistance in preparing your permit application, please contact the Osage UIC office in Pawhuska at (918) 287-5333.

Sincerely yours,

William K. Honker, P.E., Director  
Water Division

Enclosures

cc: with enclosures  
BIA, Minerals Branch  
Osage UIC Office

Lanny Woods  
Jireh Resources, LLC  
P.O. Box 701230  
Tulsa, OK 74170

6WQ-SG: CTINGEY: 5/9/2017: OS0922

6WQ-SG 6WQ-S

DELLINGER BROWN

*MDL*  
5/9/17

*Brown*  
5/9/17

*6AC*  
*Harrison*  
*9/4/17*



7015 1520 0003 3990 0641

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OFFICIAL USE	
Certified Mail Fee \$	Postmark Here
Extra-Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To	David House
Street and Apt. No., or PO Box No.	Jireh Resources, LLC
City, State, ZIP+4®	5206 E 110th PL Tulsa, OK 74137
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	

7015 1520 0003 3990 2546

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For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a> ®.	
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Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy) \$	
<input type="checkbox"/> Return Receipt (electronic) \$	
<input type="checkbox"/> Certified Mail Restricted Delivery \$	
<input type="checkbox"/> Adult Signature Required \$	
<input type="checkbox"/> Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To	Lanny Woods - Jireh Resources LLC
Street and Apt. No., or PO Box No.	P.O. Box 101230
City, State, ZIP+4®	Tulsa, OK 74170
PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions	





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS TX 75202-2733

REPLY TO: 6WQ-S

09 MAY 2017

Certified Mail #7015 1520 0003 3990 0641 - Return Receipt Requested

Mr. David House, President  
Jireh Resources, LLC  
5206 E 110th PL  
Tulsa, Oklahoma 74137

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Sincerely yours,



William K. Honker, P.E., Director  
Water Division

Enclosures

cc: with enclosures  
BIA, Minerals Branch  
~~40~~ Osage UIC Office

Lanny Woods  
Jireh Resources, LLC  
P.O. Box 701230  
Tulsa, OK 74170

Invento. No.: OS4081/OS6225  
Scan Code: 33

050922/050924/  
050926/054859/  
056213/056320

JUN 24 2013

REPLY TO: 6EN-WR

Mr. Lanny Woods  
Jireh Resources, LLC  
2526 East 7<sup>th</sup> Street, Suite A  
Tulsa, OK 74136

Re: Notice of Overdue Annual Well Operation Reports

<u>Inventory No.</u>	<u>Well No.</u>	<u>Location - Osage County, Oklahoma</u>
OS0922	9	NW/4, Sec. 1, T27N, R 7E
OS0924	4W	SW/4, Sec. 1, T27N, R 7E
OS0926	14W	SW/4, Sec. 1, T27N, R 7E
OS4859	14	NE/4, Sec. 22, T29N, R 9E
OS6213	15	SW/4, Sec. 1, T27N, R 7E
OS6320	18W	SW/4, Sec. 1, T27N, R7E

Dear Mr. Woods:

To date, we have not received required annual operation reports for the referenced wells for the period April 2012 through March 2013. Please submit the required reports to this office within 15 days. The reports must include the information on the enclosed forms. The Environmental Protection Agency (EPA) permit for Well No. 15 requires you to include the results of a fluid level measurement from the well with the annual report. Please show the results of that measurement on the enclosed form for the well.

The Safe Drinking Water Act authorizes the Environmental Protection Agency (EPA) to require annual reports. Under the Act, the EPA can issue orders or administrative penalties for failure to submit reports. To avoid this type of enforcement action, please submit the completed annual reports, within 15 days, as requested.

If you have any questions or already submitted the required reports, please contact Emma Cornelius at 214-665-6479.

Sincerely yours

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosures

cc: Osage Nation Environmental and Natural Resources Department  
BIA, Minerals Branch

6EN-WCCORNELIUS:6/17/13:code K

H\6EN\6EN-W\WC\CORNELIUS\2013\Jireh-2

fw  
6/18/13



Inventory No.: <u>OS0922</u>
Scan Code: <u>33</u>

SEP 17 2012

REPLY TO: 6EN-WR

Mr. Nathan Buchanan  
Jireh Resources  
2526 East 71<sup>st</sup> Street, Suite A  
Tulsa, OK 74136

Re: Failure to Complete Corrective Action  
Inventory No.: OS0922  
Well No.: 9  
Location: NW/4, Sec. 1, T27N, R 7E  
Osage County, Oklahoma

Dear Mr. Buchanan:

On April 30, 2012, we approved a corrective action plan to prevent fluids from moving through the referenced well bore into underground sources of drinking water (USDWs) during its temporary abandonment period. That approval required you to demonstrate mechanical integrity of the well by July 1, 2012. A report of an August 17, 2012, inspection shows that you have not completed required corrective actions.

The Safe Drinking Water Act authorizes the Environmental Protection Agency to protect USDWs from contamination from underground injection wells. To avoid additional enforcement according to that law, please demonstrate mechanical integrity of the referenced well within 30 days from the date of this letter.

Please contact Mr. Ronald Van Wyk at 214-665-6459 if you have any questions.

Sincerely yours

Willie Lane, Jr.  
Chief  
Water Resources Section

cc: BIA, Minerals Branch  
Osage Nation Environmental and Natural Resources Department

6EN-WR:vanwyk:9/12/12: ENF CODE: B

H:\6EN\6EN-W\WR\VANWYK\2012\0922-42



Inventory No.: OS4081/OS6225Scan Code: 3304221/050924  
050926/054859  
056213/056222

JUN 8 2012

REPLY TO: 6EN-WR

Mr. Lanny Woods  
Jireh Resources, LLC  
2526 East 7st Street, Suite A  
Tulsa, OK 74136

Re: Notice of Overdue Annual Well Operation Reports

<u>Inventory No.</u>	<u>Well No.</u>	<u>Location - Osage County, Oklahoma</u>
OS0922	9	NW/4, Sec. 1, T27N, R 7E
OS0924	4W	SW/4, Sec. 1, T27N, R 7E
OS0926	14W	SW/4, Sec. 1, T27N, R 7E
OS4859	14	NE/4, Sec. 22, T29N, R 9E
OS6213	15	SW/4, Sec. 1, T27N, R 7E
OS6222	10	NW/4, Sec. 1, T27N, R 7E

Dear Mr. Woods:

To date, we have not received required annual operation reports for the referenced wells for the period April 2011 through March 2012. Please submit the required reports to this office within 15 days. The reports must include the information on the enclosed forms. The Environmental Protection Agency (EPA) permit for Well No. 15 requires you to include the results of a fluid level measurement from the well with the annual report. Please either show the results of that measurement on the enclosed form for the well or attach the information on a separate sheet of paper attached to the enclosed form.

The Safe Drinking Water Act authorizes the Environmental Protection Agency (EPA) to require annual reports. Under the Act, the EPA can issue orders or administrative penalties for failure to submit reports. To avoid this type of enforcement action, please submit the completed annual reports, within 15 days, as requested.

If you have any questions or already submitted the required reports, please contact Ronald Van Wyk at 214-665-6459.

Sincerely yours

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosures

cc: Osage Nation Environmental and Natural Resources Department  
BIA, Minerals Branch

6EN-WR:rvanwyk:6/5/12:code K

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Inventory No.: OS6320/OS0927/OS0922Scan Code: 36

<b>RECORD OF COMMUNICATION</b>	<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER	
	(Record of Item checked above)	
<b>TO:</b> Lanny Woods	<b>FROM:</b> Ron Van Wyk	<b>DATE:</b> 6/13/12
		<b>TIME:</b> 12:15pm
<b>Subject:</b> Complaint of Watered Out wells		

**Summary:** I told Mr. Woods we'd received a complaint that the 18W well was watering out wells to the south and west. I also told him that an inspection and the complaint had show daily rates of around 3200 barrels and 4000 barrels. He said he had no information on daily rates and asked when the observations were made. Said he would check. I told him that as long as he stayed below the permitted monthly rate, there is no violation, but it would probably be better to inject close to the average daily rate, since it would assure compliance without having to periodically shutting the well in. I also asked him the following:

1. Formation dip/orientation: He said that in the southern area dip was south and west. In other areas of the field, it is east, and somewhat flat in the north. Basically, the unit is in an anticline.

2. Effect of injection on Jireh wells: He said that he is unaware of any negative or positive effect on his production. He said there is a high water cut (.5 to 1.5 percent oil).

3. Reason 18 completed with perfs below other wells: He said the goal was to inject below, or near the original oil/water interface in the formation. In actuality, any secondary recovery due to water flooding has long passed. At this time, water is being recirculated and stripping any residual oil.

Other subjects:

1. OS0927 – Asked him for the Osage Form No. 139 for plugging the well in 2010. He said the plugging was completed by the prior operator. He would look for records to see what he could provide.

2. OS0922: Told him that corrective action was due by July 1. He said he would talk to his field engineer to see what was happening there. He mentioned that the well has 300 psi and that pulling the packer was difficult.

**Conclusions/Actions Taken or Required:**



Inventory No.: <u>OS0922</u> Scan Code: <u>33</u>
--

APR 30 2012

REPLY TO: 6EN-WR

Mr. Nathan Buchanan  
Jireh Resources, LLC  
2526 East 71<sup>st</sup> Street, Suite A  
Tulsa, OK 74136

Re: Corrective Action Plan Approval  
Inventory No.: OS0922  
Well No.: Blackland 9  
Location: NW/4 Sec. 1, T 27N, R 7E  
Osage County, Oklahoma

Dear Mr. Buchanan:

Thank you for your April 9, 2012, corrective action plan for the referenced injection well. You plan to repair the well and demonstrate its mechanical integrity should adequately protect underground sources of drinking water (USDWs) in the vicinity of the well, when completed. You must complete the proposed work by July 1, 2012.

Before beginning the work, obtain the necessary permits from the Bureau of Indian Affairs (BIA) Osage Agency. Please contact the Osage Nation Environmental and Natural Resources Department at 918-287-5333 at least five days before testing the well so they can witness test procedures. After completing the work, submit an Osage Form No. 139 which shows completed work to the BIA and to this office.

Please contact Mr. Ronald Van Wyk at 214-665-6459 if you have any questions.

Sincerely yours,

Willie Lane, Jr.  
Chief  
Water Resources Section

cc: Osage Nation Environmental and Natural Resources Department  
BIA, Minerals Branch

6EN-WR:rvanwyk:4/18/12:ENF CODE: B4  
4/18/12

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2526 East 71st Street, Suite A, Tulsa, OK 74136  
Phone 918 895-7870 • Fax 918 895-7871 • [www.jirehresourcesllc.net](http://www.jirehresourcesllc.net)

April 9, 2012

RE: Inventory Number: OS0922 (Well #9) Corrective Action Plan

Mr. Ronald Van Wyk  
United States Environmental Protection Agency  
Region 6  
1445 Ross Avenue, Suite 1200  
Dallas, Texas 75202-2733

Dear Mr. Van Wyk,

Jireh Resources LLC received a letter from Mr. Lane dated April 3, 2012 requesting us to submit a corrective action plan for the subject well. This well will not currently pass a mechanical integrity test; the annulus will not hold more than 80 psi when pressure is applied, but the annular fluid level will not drop. Upon notification that a mechanical integrity test was due on this well earlier this year, I pressured up the annulus and discovered the well's lack of integrity. I notified the UIC field inspector that the well would not pass MIT, and we have ceased injecting into the well since.

In 1998, a previous operator performed a 300 PSI annular composite squeeze treatment after discovering a casing leak in the well. Over the years, the squeeze material has solidified and settled leaving the annulus packed full of solids, which resulted in the packer and the tubing becoming stuck in the well. I moved a well service rig in on March 29 to attempt to free the pipe and release the packer. Well records indicate that either 79 or 80 joints of 2-3/8" plastic lined tubing were run above the packer. So far, we have recovered 66 joints of tubing and have cleaned the well out to approximately 2060'. The rig is not working today, but we will resume fishing operations tomorrow to recover the rest of the tubing and the packer.

After the tubing and packer have been removed from the well, we plan to run a bit and casing scrapers to clean junk out of the hole. We will then run a retrievable bridge plug and a packer and attempt to isolate the casing leak. At that point, if it is feasible, we will attempt a cement squeeze operation to attempt to repair the casing leak. If it is not



feasible to attempt squeeze cementing (i.e. too many holes) or squeeze cementing is unsuccessful, we plan on running a 4-1/2" flush joint liner and cementing to surface.

After we have repaired the well and restored its mechanical integrity, we plan to resume water injection. It is necessary to have an injection well in this portion of the field for successful continued secondary recovery operations.

Please contact me with any questions you may have.

Sincerely,

A handwritten signature in black ink that reads "Nathan Buchanan". The signature is fluid and cursive, with a long horizontal line extending from the end of the name.

Nathan Buchanan  
Operations Manager  
Jireh Resources LLC

Office: 918-895-7870 ext 24

Cell: 918-851-0468

[nbuchanan@jirehresourcesllc.com](mailto:nbuchanan@jirehresourcesllc.com)

Inventory No.: OS0922  
Scan Code: 33

APR 5 2012

REPLY TO: 6EN-WR

Mr. Lanny Woods  
Jireh Resources, LLC  
2526 East 71<sup>st</sup> Street, Suite A  
Tulsa, OK 74136

Re: Required Corrective Action Plan  
Inventory No: OS0922  
Well No.: 9  
Location: NW/4, Sec. 1, T27N, R 7E  
Osage County, Oklahoma

Dear Mr. Woods:

Our January 20, 2012, approval of a plan for future use of the referenced injection well requires you to periodically monitor the static fluid level in the well. It also requires you to submit a corrective action plan if the static fluid level is less than 695 feet subsurface.

A report of a March 26, 2012, inspection shows the static fluid level in the well annulus to be 15 feet below ground level. We have no record that you submitted the required corrective action plan. Therefore, you must submit a corrective action plan to this office within 15 days from the date of this letter. That plan may include: plugging the well, repairing it so that it has mechanical integrity, lowering the static fluid level to at least 745 feet subsurface, or any other action which will adequately protect drinking water sources.

The Safe Drinking Water Act requires the Environmental Protection Agency (EPA) to protect groundwater resources. Under the Act, the EPA can issue orders or administrative penalties for failure to protect USDWs. To prevent this type of enforcement action, please submit a corrective action plan, within 15 days, as requested.

Please contact Mr. Ronald Van Wyk at 214-665-6459 if you have any questions.

Sincerely yours,

Willie Lane, Jr.  
Chief  
Water Resources Section

cc: Osage Nation Environmental and Natural Resources Department  
BIA, Minerals Branch

6EN-WR:ryanwyk:4/2/12:ENF CODE: B0

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Inventory No.: <u>OS0922</u> Scan Code: <u>33</u>
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JAN 20 2012

REPLY TO: 6EN-WR

Mr. Lanny Woods  
Jireh Resources, LLC  
2526 East 71<sup>st</sup> Street, Suite A  
Tulsa, OK 74136

Re: Approval of Plan for Future Use  
Inventory No.: OS0922  
Well No.: Blackland 9  
Location: NW/4, Sec. 1, T 27N, R 7E  
Osage County, Oklahoma

Dear Mr. Woods:

By this letter we approve your December 20, 2011, plan for future use of the referenced injection well and set out monitoring requirements during the temporary abandonment period. This approval may be rescinded and plugging required by this office or the Bureau of Indian Affairs, Osage Agency if continued temporary abandonment constitutes a threat of contamination of drinking water sources or you no longer have a future use of the well. During the temporary abandonment period you must continue to comply with Osage Underground Injection Control program requirements.

To assure protection of underground sources of drinking water during the temporary abandonment period, you must monitor the well as follows:

1. Measure the static fluid level in the well tubing and annulus at least every three months, except as noted below. Annually, report fluid level measurements to this office.
2. If either the annulus or tubing static fluid level is less than 745 feet below ground level, notify the Environmental Protection Agency (EPA) at 214-665-6459 within 48 hours, or the next business day, whichever is later, and increase the fluid level monitoring frequency to monthly. Annually, report fluid level measurements to this office.
3. If either the annulus or tubing static fluid level is less than 695 feet below ground level, immediately notify the EPA at 214-665-6459. Within 15 days, submit a corrective action plan to this office.

You must continue fluid level monitoring and reporting until the well is reactivated, plugged, has mechanical integrity, or is converted to production. Before reactivating the well for injection, demonstrate its mechanical integrity and, if required by the EPA, obtain an

6EN-WR:rvanwyk: 1/9/12: CODE:U0  
1/9/12

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6EN-WR  
LANE



underground injection control permit. Before conversion to production or plugging, obtain necessary approvals from the Bureau of Indian Affairs and the EPA.

Please contact Mr. Ronald Van Wyk at 214-665-6459 if you have any questions.

Sincerely yours,

Jerry Saunders  
Associate Director  
Water Enforcement Branch

cc: Osage Nation Environmental and Natural Resources Department  
BIA, Minerals Branch





2526 East 71st Street, Suite A, Tulsa, OK 74136  
Phone 918 895-7870 • Fax 918 895-7871 • [www.jirehresourcesllc.net](http://www.jirehresourcesllc.net)

January 2, 2012

RE: Jireh Resources LLC copy of Osage County assignments

Osage Nation Environmental & Natural Resources Department  
Underground Injection Control Program  
P.O.Box 1495  
100 W. Main Street, Suite 303  
Pawhuska, Oklahoma 74056

Dear Mr. Van Wyk:

Please find enclosed with this letter a copy of the assignments Jireh Resources LLC has received from the BIA. Please note that a few were executed November 8, 2011 but the majority were executed December 7, 2011 and received by Jireh Resources LLC December 13<sup>th</sup>, 2011.

Sincerely,

A handwritten signature in black ink, appearing to read "Lanny Woods". The signature is stylized with a large, sweeping initial "L" and "W".

Lanny Woods  
Jireh Resources LLC

Office: 918-895-7870 ext 25  
Cell: 918-851-0468  
[lannywoods@jirehresourcesllc.com](mailto:lannywoods@jirehresourcesllc.com)

054859

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3709

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2526 East 71st Street, Suite A, Tulsa, OK 74136  
Phone 918 895-7870 • Fax 918 895-7871 • [www.jirehresourcesllc.net](http://www.jirehresourcesllc.net)

December 20, 2011

RE:6EN-WR  
Inventory Number: OS0922 (Well: Blackland 9)

Mr. Ronald Van Wyk  
United States Environmental Protection Agency  
Region 6  
1445 Ross Avenue, Suite 1200  
Dallas, Texas 75202-2733

Dear Mr. Ronald Van Wyk,

Jireh Resources LLC, has received your letter dated September 28, 2011 concerning the above captioned inactive injection well. Jireh had not responded earlier to this letter because we just received the assignment for this well December 13<sup>th</sup>. Jireh would like to request an extension on plugging the well so we can assess the viability of repairing the well as an injector or the potential to convert to a producer. The well has a mechanical problem (stuck tubing) that we may be able to repair but time is needed to see if it is viable to do so. Thank you for your consideration.

Sincerely,

Lanny Woods  
Jireh Resources LLC

Office: 918-895-7870 ext 25  
Cell: 918-851-0468  
[lannywoods@jirehresourcesllc.com](mailto:lannywoods@jirehresourcesllc.com)



Inventory No.: OS0922Scan Code: 33

September 28, 2011

REPLY TO: 6EN-WR

Mr. David House  
Jireh Resources  
2526 East 71<sup>st</sup> Street, Suite A  
Tulsa, OK 74136

Re: Plugging Requirement  
Inventory No.: OS0922  
Well No.: Blackland 9  
Location: NW/4, Sec. 1, T 27N, R 7E  
Osage County, Oklahoma

Dear Mr. House:

An annual report dated August 19, 2011, shows that the referenced injection well is inactive. Osage Underground Injection Control regulations require inactive wells to be plugged within one year after injection ceases. We may extend the plugging deadline if you have an acceptable plan for future use of the well. Send us your plan for future use within 30 days from the date of this letter if you want an extended plugging deadline.

Please contact me at 214-665-6459 if you have any questions.

Sincerely yours

Ronald Van Wyk  
Environmental Engineer  
Water Resources Section

cc: Osage Nation Environmental and Natural Resources Department  
BIA, Minerals Branch

6EN-WR:VANWYK: 9/28//11:ENF CODE: B0  
*9/28/11*

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Inventory No.: OS0922/OS0924/  
OS0926/ OS4859/OS6213/OS6222  
Scan Code: 33

SEP 14 2011

REPLY TO: 6EN-WR

Mr. David House  
Jireh Resources, LLC  
2526 East 71<sup>st</sup> Street, Suite A  
Tulsa, OK 74136

Re: Notice of Overdue Annual Well Operation Reports  

<u>Inventory No.</u>	<u>Well No.</u>	<u>Location - Osage County, Oklahoma</u>
OS0922	9	NW/4, Sec. 1, T27N, R 7E
OS6222	10	NW/4, Sec. 1, T27N, R 7E
OS0924	4W	SW/4, Sec. 1, T27N, R 7E
OS0926	14W	SW/4, Sec. 1, T27N, R 7E
OS6213	15	SW/4, Sec. 1, T27N, R 7E
OS4859	14	NE/4, Sec. 22, T29N, R 9E

Dear Mr. House:

To date, we have not received required annual operation report for the referenced wells for the period April 2010 through March 2011. Please submit the required reports to this office within 15 days from the date of this letter. The reports must include the information on the enclosed forms. In addition, the permit for Well No. 15 requires you to measure the static fluid level in the well annually after a 24-hour shut-in period. Please attach the results of that measurement to the annual report form for that well.

The Safe Drinking Water Act authorizes the Environmental Protection Agency (EPA) to require annual reports. Under the Act, the EPA can issue orders or administrative penalties for failure to submit reports. To avoid this type of enforcement action, please submit the completed annual reports, within 15 days, as requested.

If you have any questions or you already submitted the required reports, please contact Ronald Van Wyk at 214-665-6459.

Sincerely yours,

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosures

cc: Osage Nation Environmental and Natural Resources Department  
BIA, Minerals Branch

6EN-WR:rvanwyk:9/9/11:code K

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050922  
33

**Wandering Star**  
Ron VanWyk to: cmashunkashey

08/23/2011 07:58 AM

From: Ron VanWyk/R6/USEPA/US  
To: cmashunkashey@osage tribe.org

Joe Webb from Wandering Star called and said that all of Mariah's stuff (Wandering Star) had transferred to Jireh Resources, 2526 East 71st Street, Suite A, Tulsa, OK 74136. Please check with the BIA for assignment and bond. Thanks.

Ronald Van Wyk  
Water Enforcement Branch, EPA  
1445 Ross Avenue  
Dallas, TX 75202

214-665-6459  
vanwyk.ron@epa.gov

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Inventory No.: OS0922/OS0924/  
OS0926/ OS4859/OS6213/OS6222  
Scan Code: 33

AUG 4 2011

REPLY TO: 6EN-WR

Mr. Joe Webb  
Wandering Star Partners No. 1  
PO Box 1452  
Pawhuska, OK 74056

Re: Notice of Overdue Annual Well Operation Reports  

<u>Inventory No.</u>	<u>Well No.</u>	<u>Location - Osage County, Oklahoma</u>
OS0922	9	NW/4, Sec. 1, T27N, R 7E
OS6222	10	NW/4, Sec. 1, T27N, R 7E
OS0924	4W	SW/4, Sec. 1, T27N, R 7E
OS0926	14W	SW/4, Sec. 1, T27N, R 7E
OS6213	15	SW/4, Sec. 1, T27N, R 7E
OS4859	14	NE/4, Sec. 22, T29N, R 9E

Dear Mr. Webb:

To date, we have not received required annual operation report for the referenced wells for the period April 2010 through March 2011. Please submit the required reports to this office within 15 days from the date of this letter. The reports must include the information on the enclosed forms. In addition, the permit for Well No. 15 requires you to measure the static fluid level in the well annually after a 24-hour shut-in period. Please attach the results of that measurement to the annual report form for that well.

The Safe Drinking Water Act authorizes the Environmental Protection Agency (EPA) to require annual reports. Under the Act, the EPA can issue orders or administrative penalties for failure to submit reports. To avoid this type of enforcement action, please submit the completed annual reports, within 15 days, as requested.

If you have any questions or you already submitted the required reports, please contact Ronald Van Wyk at 214-665-6459.

Sincerely yours,

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosures

cc: Osage Nation Environmental and Natural Resources Department  
BIA, Minerals Branch

6EN-WR:ryanwyk:7/19/11:code K  
7/19/11

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Inventory No.: OS0922/OS0924/  
OS0926/OS0927/OS4859/OS6069  
Scan Code: 33

JUN 1 2009

REPLY TO: 6EN-WR

Mr. John M. Parks  
Wandering Star Partners No. 1  
PO Box 1452  
Pawhuska, OK 74056

922

Re: Notice of Overdue Annual Well Operation Reports  
Inventory No. Well No. Location - Osage County, Oklahoma

OS0924	4W	SW/4, Sec. 1, T27N, R 7E
OS0926	14W	SW/4, Sec. 1, T27N, R 7E
OS0927	2B	SE/4, Sec. 2, T27N, R 7E
OS0922	9	NW/4, Sec. 1, T27N, R 7E
OS6069	5	NW/4, Sec. 16, T28N, R10E
OS4859	14	NE/4, Sec. 22, T29N, R 9E

Dear Mr. Parks:

To date, we have not received the required annual operation report for the referenced wells for the period April 2008 through March 2009. Please submit the required reports to this office within 15 days. The reports must include the information on the enclosed forms. In addition, the permit for Well No. 5 requires you to measure the static fluid level annually after a 24-hour shut-in period. Please attach the results of that measurement to the annual report form for that well.

The Safe Drinking Water Act authorizes the Environmental Protection Agency (EPA) to require annual reports. Under the Act, the EPA can issue orders or administrative penalties for failure to submit reports. To avoid this type of enforcement action, please submit the completed annual reports, within 15 days, as requested.

If you have any questions or if you already submitted the required reports, please contact Ronald Van Wyk at 214-665-6459.

Sincerely yours,

Jerry Saunders  
Chief  
Water Resources Section

Enclosure

cc: Osage Nation Environmental and Natural Resources Department  
BIA, Minerals Branch

6EN-WR:rvanwyk:5/27/09:code K

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Invent. No.: OS0922/OS4358/  
OS5464/OS4357/OS0924/OS0925/  
OS0926/OS0927  
Scan Code: 33

JAN 9 2004

REPLY TO: 6EN-WR

Ms. Melissa Curry  
Bureau of Indian Affairs  
Post Office Box 1539  
Pawhuska, OK 74056

Re: Bond Release

Dear Ms. Curry:


We concur on the proposed bond release for John T. Hull,  
d/b/a Hull Oil Company on the following:

Location

Section 11, T24N, R 7E  
NW/4, Sec. 14, T24N, R 8E  
SW/4, Sec. 36, T24N, R 7E  
NW/4, Sec. 1, T27N, R 7E  
SW/4, Sec. 1, T27N, R 7E  
SE/4, Sec. 2, T27N, R 7E

Thank you for consulting us on this matter. If you have any  
questions, please contact Mr. Ronald Van Wyk at 214-665-6459.

Sincerely Yours,

  
Jerry Saunders  
Chief  
Water Resources Section

cc: Osage UIC Office

*DM*  
1/9/06



## United States Department of the Interior

## BUREAU OF INDIAN AFFAIRS

Osage Agency  
P.O. Box 1539  
Pawhuska, Oklahoma 74056-1539

TAKE PRIDE  
IN AMERICA

OS 4350-0922  
~~06~~  
34

IN REPLY REFER TO:  
MINERALS BRANCH

Mr. Jerry Saunders  
Chief, Water Supply Branch  
E.P.A. (6EN-WO)  
1445 Ross Avenue  
Dallas, TX 75202

JAN - 4 2006

Dear Mr. Saunders:

The Bureau of Indian Affairs plans to release the Bond for John T. Hull d/b/a Hull Oil Company on an Oil Mining Lease covering the NW/4 Section 01, Township 24 North, Range 07 East, Blackland Pool Unit, Well #5, Osage County, Oklahoma.

Wandering Star Partners No. 1 LLLP has assumed the responsibility of said lease.

Please notify our office as soon as possible of any ongoing Environmental Protection Agency actions, which would preclude the release of this bond.

Thank you for your prompt attention to this matter.

Sincerely,

*Murray*  
Superintendent

11/9/06  
Talked  
Agreed  
legal  
to Chole  
that connect  
NW-1-27-7  
for Van W&K

NW-1-27-7?  
NW-1-24-7 is  
Nadel/Gorman

Get  
Docs



Bureau of Indian Affairs  
P.O. Box 1539  
Pawhuska, OK 74056  
Ph. (918) 287-5710  
Fx. (918) 287-9907

Facsimile Transmittal

To: Ron VanWyk

Fax: (214) 665-2168

From: Chelle Lookout, Realty Clerk

Date: 1/3/2006

Re: Bond Release

Pages: 1 including cover sheet

CC:

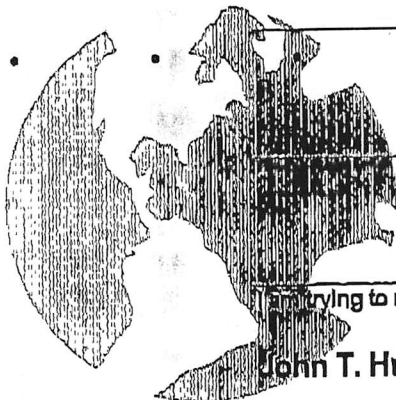
☐ Urgent

☐ For Review

☐ Please Comment

☐ Please Reply

☐ Please Recycle



Trying to release the bond on the referenced section:

John T. Hull d/b/a Hull Oil Company - Bond holder on Oil ~~and Gas~~ Mining  
Lease covering

NW/4 Section 01-24-07 Blackland Pool wfd. unit

Well #5 Osage County, Oklahoma

Please notify me as soon as possible of any ongoing Environmental  
Protection Agency actions which would preclude the release of this bond.

If you need any further information, please contact me at (918) 287-5713.

Thank you. Chelle Lookout

*Mariah Exploration, L.L.P.* \_\_\_\_\_

*L.L.P. BOX 1122  
Pawhuska, OK 74056  
918-287-2339  
918-287-1383 fax*

April 21, 2006

Mr. Ron Van Wyk  
US EPA (6EN-WO)  
1445 Ross Avenue  
Dallas, Texas 75202-2733

~~030922~~

030924

030926

030927

34

Re: Annual Reports

Dear Mr. Van Wyk:

Please find enclosed our Annual Disposal/Injection Well Monitoring Reports for April 2005, through March of 2006.

If you have any questions concerning this matter, please call (918) 287-2339.

Sincerely,

*Norma Pinney*  
Norma Pinney  
Administrative Assistant  
Mariah Exploration, LLC

MAY 4 2006

## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Osage Underground Injection Control Program

P.O. Box 1495

Pawhuska, Oklahoma 74056

918-287-4041

050922

(33)

① ~~Can~~ Passed PM IT 10/25/99 ✓  
② Marrietta

October 13, 1999

REPLY TO: (6EN-WO)

Mr. Tommy Hull  
Hull Oil Company  
Post Office Box 1268  
Pawhuska, Oklahoma 74056

Re: Inspection of Injection Well  
Inventory No.: OS 0922  
Well No.: 9  
Location: NW/4 Sec. 01, T27N, R07E

Dear Sir or Madame:

The enclosed report of a recent inspection of the referenced injection well indicates that the well is in violation of Underground Injection Control (UIC) requirements. Each violation noted and action required to achieve compliance follows:

**Loss of mechanical integrity. Within 15 days, conduct a mechanical integrity test. Contact the Osage Underground Injection Control Office at 918-287-4041 at least five days before testing the well so we can witness the test.**

Failure to comply with the above could result in additional enforcement according to the Safe Drinking Water Act.

Thank you for your cooperation. Please contact either me at (918) 287-4041 or Ronald Van Wyk at (918) 665-6459 if you have any questions.

Sincerely yours,



Kent W. Sanborn  
Engineer  
Osage UIC Office

Enclosure

bcc: BIA, Minerals Branch  
Ron Van Wyk, AR/LA/OK/NPESS(UIC) Section (6EN-WO)

GS

12/3/99



ENVIRONMENTAL PROTECTION AGENCY  
REGION 6, UIC INSPECTION REPORT

UIC Program, P.O. Box 1495, Pawhuska, Oklahoma 74056

Inspection Reason: ROUTINE Inventory No.: OS0922  
Operator: Name: HULL OIL CO  
Address: P.O. BOX 1268  
PAWHUSKA, OK 74056  
Phone: (918) 287-2339  
Individual Contacted: NONE Title: \_\_\_\_\_

WELL INFORMATION:

Well Name and Number: 9  
Location: 1650 ft F S L, 0990 ft F W L; NW/4, Sec. 1, T 27N, R 7E  
Well Type: Enhanced Recovery  
Authorization: Rule Authorization to Inject Date: \_\_\_\_\_  
Authorized: Pressure: 697 psi Rate: \_\_\_\_\_ BPM  
Long-String Casing Diameter: 5.50 inches Tubing Diameter: 2.375 inches  
Base of Underground Sources of Drinking Water: 665 Feet Subsurface  
Date of Latest MIT: 07/16/98 Latest MIT Results: Pass

CONDITIONS ON INSPECTION DATE:

Lease Status: ACTIVE  
Well Status: Hooked up for injection? YES Injecting? YES  
Required Fittings: Tubing? YES Annulus? YES  
Tubing Pressure: 310 psi; How Determined? U.I.C. GAUGE  
Annulus Pressure: 160 psi; How Determined? U.I.C. GAUGE  
Injection Rate: \_\_\_\_\_ bpd; How Determined? \_\_\_\_\_  
Static Fluid Level: \_\_\_\_\_  
Tubing: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Annulus: 0 feet subsurface; How Determined? VISUAL  
Samples Taken? NO Photographs Taken? NO

Observations: WELL IS ACTIVE AND WAS TAKING FLUID AT TIME OF INSPECTION.  
TUBING IS CONNECTED TO INJECTION LINE WITH A 2" HIGH PRESSURE  
HOSE. ANNULUS HAD 160# FLUID PRESSURE TO SURFACE, BLED FLUID  
PRESSURE DOWN BUT WOULD PRESSURE BACK UP WITHIN 5 MINUTES.  
BIA required sign at well.

Inspection Date: 10/04/99 Time: Arrived: 11:30 A.M. Departed: 11:55 A.M.

Inspector: GARY SCOTT LS

Evaluation: Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Inspection Results: \_\_\_\_\_ Follow-Up: \_\_\_\_\_ Frequency: \_\_\_\_\_

IMAGING ROOM  
RECEIVED

99 DEC -7 PM 3:48



P 004 763 492

**Receipt for  
Certified Mail**No Insurance Coverage Provided  
Do not use for International Mail  
(See Reverse)

Sent to

Street and No.

P.O., State and ZIP Code

Postage

\$

Inventory No.: OS0922Scan Code: 33

REPLY TO: 6EN-WO

Certified Mail #P 004 763 492 - Return Receipt Requested

Mr. Tommy Hull  
Hull Oil Company  
PO Box 1268  
Pawhuska, OK 74056

Re: Required Mechanical Integrity Test - Second Notice  
Inventory No.: OS0922  
Well No.: 9  
Location: NW/4, Sec. 1, T27N, R 7E  
Osage County, Oklahoma

Dear Mr. Hull:

On March 30, 1998, we required you to conduct a mechanical integrity test of the referenced injection well. We have no record that you conducted the required test. Therefore, you must complete one of the following actions within 15 days of receipt of this letter:

1. Demonstrate mechanical integrity of the well. Contact the Osage Underground Injection Control (UIC) office at 918-287-4041 at least five days before testing the well so they can witness the test.
2. Apply for a UIC permit for the referenced well by submitting the enclosed application to the Osage UIC office.

The Safe Drinking Water Act authorizes the Environmental Protection Agency (EPA) to require injection wells to have mechanical integrity. To avoid additional enforcement, please demonstrate mechanical integrity of the well, within 15 days, as requested.

6EN-WO:rvanwyk :6/ 4/98: ENF CODE F2: OS .63

6EN-WO

6EN-WO

VANWYK

SAUNDERS

6/14/98

6/5/98

6/11/98



2

Please contact Mr. Ronald Van Wyk at 214-665-6459 if you have any questions.

Sincerely yours,

Robert V. Murphy  
Chief  
Water Enforcement Branch

Enclosure

cc: Osage UIC Office  
BIA, Minerals Branch



IMAGING ROOM  
RECEIVED

98 JUN 19 AM 11:05





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION VI  
ALLIED BANK TOWER AT FOUNTAIN PLACE  
1445 ROSS AVENUE  
DALLAS, TEXAS 75202

March 30, 1998

REPLY TO: 6EN-WO

Mr. Tommy Hull  
Hull Oil Company  
Post Office Box 1268  
Pawhuska, Oklahoma 74056

Re: Inspection of Injection Well - Inventory No. OS 0922

Dear Sir or Madame:


The enclosed report of a recent inspection of the referenced injection well indicates that the well is in violation of Underground Injection Control (UIC) requirements. Each violation noted and action required to achieve compliance follows:

**Loss of mechanical integrity. Within 15 days, conduct a mechanical integrity test. Contact the Osage Underground Injection Control Office at 918-287-4041 at least five days before testing the well so we can witness the test.**

**Failure to comply with the above could result in additional enforcement according to the Safe Drinking Water Act.**

Thank you for your cooperation. Please contact either me at 918-287-4041 or Mr. Ronald Van Wyk at 214-665-6459 if you have any questions.

Sincerely yours,

  
Kent W. Sanborn  
Engineer  
Osage UIC Office

Enclosure

bcc: BIA, Minerals Branch  
Ron Van Wyk, AR/LA/OK NPDES (UIC) Section (6EN-WO)

ENVIRONMENTAL PROTECTION AGENCY  
REGION 6, UIC INSPECTION REPORT

UIC Program, P.O. Box 1495, Pawhuska, Oklahoma 74056

Inspection Reason: ROUTINE Inventory No.: OS0922  
Operator: Name: HULL OIL CO  
Address: P.O. BOX 1268  
PAWHUSKA, OK 74056  
Phone: (918) 287-2339  
Individual Contacted: NONE Title: \_\_\_\_\_

WELL INFORMATION:

Well Name and Number: 9  
Location: 1650 ft F S L, 0990 ft F W L; NW /4, Sec. 1, T 27N, R 7E  
Well Type: Enhanced Recovery  
Authorization: Rule Authorization to Inject Date: \_\_\_\_\_  
Authorized: Pressure: 697 psi Rate: \_\_\_\_\_ BPM  
Long-String Casing Diameter: 5.50 inches Tubing Diameter: 2.88 inches  
Base of Underground Sources of Drinking Water: 665 Feet Subsurface

CONDITIONS ON INSPECTION DATE:

Lease Status: ACTIVE  
Well Status: Hooked up for injection? YES Injecting? YES  
Required Fittings: Tubing? YES Annulus? YES  
Tubing Pressure: 100 psi; How Determined? U.I.C. GAUGE  
Annulus Pressure: 100 psi; How Determined? U.I.C. GAUGE  
Injection Rate: \_\_\_\_\_ bpd; How Determined? \_\_\_\_\_  
Static Fluid Level:  
Tubing: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Annulus: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Samples Taken? NO Photographs Taken? NO

Observations: WELL IS ACTIVE AND WAS TAKING FLUID AT TIME OF INSPECTION.  
ANNULUS HAD 100# OF PRESSURE WITH FLUID TO SURFACE. SEEMS TO  
HAVE POSSIBLE TUBING OR PACKER FAILURE. TUBING IS CONNECTED TO A  
2" STEEL INJECTION LINE WITH A 2" HIGH PRESSURE HOSE.  
BIA required sign at well.

Inspection Date: 3/24/98 Time: Arrived: 12:20 P.M. Departed: 12:35 P.M.

Inspector: GARY SCOTT G.S.

Evaluation: Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Inspection Results: \_\_\_\_\_ Follow-Up: \_\_\_\_\_ Frequency: \_\_\_\_\_  
Violation Code: \_\_\_\_\_ Reason: \_\_\_\_\_



IMAGING ROOM  
RECEIVED

98 MAY 26 PM 3: 30

dmc  
5-30-91

## COMPLIANCE REVIEW FORM

35

Reviewer: Ron Van Wyk Inventory No.: 050922  
 Date: 5-23-91 Well No.: 9  
 Well Type: Disposal/EOR/Dual Completion Well Status: Active/Inactive Authorization: Rule/Permit

## I. FINANCIAL RESPONSIBILITY

TYPE \ AREA	Single Lease	County Wide	Nation Wide	Amount
Bond				
Letter of Credit				
Certificate of Deposit				
Other (Shown in Comments)				

Unaddressed Violations: \_\_\_\_\_

## II. MECHANICAL INTEGRITY

	Date(s)	Method	Results
Technical Review	<del>4-15-86</del> 2-11-86		Pass Fail
Field Test	8-19-85	B	Pass
	8-8-90	B	Pass

Unaddressed Violations: \_\_\_\_\_

## III. ANNUAL REPORTS

Authorized		Maximum Pressure (psi)	Maximum Volume (BBL/Mo)	Fluid Level (ft. Subsurface)
Due	Received	697		
4-85	4-18-85	95	38,812	
4-86	4-18-86	95	38,954	
4-87	4-28-87	95	38,897	
4-88	4-25-87	95	38,920	
4-89	4-28-89	95	38,915	
4-90	4-30-90	95	39,125	
4-91	4-18-91	95	38,675	

Unaddressed Violations: \_\_\_\_\_



## IV. PERMIT CONDITIONS

Date Final: \_\_\_\_\_ Date Authorization to Inject: \_\_\_\_\_  
Modifications: Date Summary  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Unaddressed Violations: \_\_\_\_\_  
\_\_\_\_\_

## V. INSPECTIONS

<u>Date</u>	<u>Violation(s)</u>
<u>1-31-89</u>	<u>None</u>
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

## VI. NOTICES OF VIOLATION

<u>Date</u>	<u>Subject</u>	<u>Compliance Achieved?</u>
<u>2-26-86</u>	<u>Fail Technical Review</u>	<u>3-6-86 Receive Add'l Data</u>
<u>1-31-89</u>	<u>'</u>	<u>Pass 4-15-86</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

## VII. COMPLIANCE REVIEW SUMMARY

Assessment: ☒ Full Compliance ☐ Follow-up Required  
Action Taken: None  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Approval: Ronald J. [Signature] Compliance Engineer Date: 5-23-91

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

(33)

Jmc  
[15 APR 1986

Drummond and Hull Oil Company  
P.O. Box 1268  
Pawhuska, OK 74056

Re: Injection Well #9, Inventory Form #922  
Location: NW/4; Sec. 1; Twp. 27N; Rnge. 7E

Dear Mr. Hall:

Thank you for your letter of March 4, 1986, in which you provided additional information on the subject well. We have reviewed the additional information and have determined that the well does meet the minimum construction requirements to protect underground sources of drinking water (USDW).

This letter confirms that the well meets the portion of mechanical integrity specified in 40 CFR Part 147.2912(a)(2). An individual permit is not required at this time as had been originally requested by our letter dated February 26, 1986.

Thank you for your interest and cooperation.

Sincerely yours,

Oscar Cabra, Jr., P.E.  
Chief, Water Supply Branch (6W-S)

cc: BIA, Minerals Branch  
Osage UIC Office

bcc: Joyce Lehe

6W-SE: <sup>304/1</sup>JOHNSON:jm:3-24-86: Disk: Rescinding Disk FILE Osage Well File # 922

## CONCURRENCES

SYMBOL	6W-SE	6W-SE	6W-SE				
	PECKHAM	VAN DYK	CHAVARRIA				
SURNAME	<i>Peckham</i>	<i>Van Dyk</i>	<i>Chavarría</i>				
DATE	4/11/86	4/14/86	4/14/86				

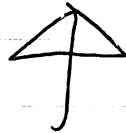


(36)

RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL <input type="checkbox"/> DISCUSSION <input type="checkbox"/> FIELD TRIP <input type="checkbox"/> CONFERENCE <input type="checkbox"/> OTHER (SPECIFY)	
TO: TOMMY HALL		(Record of item checked above)	
		FROM: DESI CROUTHER	DATE: 3-3-86 TIME: 3:05 PM
SUBJECT: RE: "FAILED FILE REVIEW" LETTER			
SUMMARY OF COMMUNICATION I RETURNED MR. HALL'S CALL. HE INFORMED ME THAT HE HAD ADDITIONAL CEMENTING DATA SHOWING THAT WELL #9 (INVENTORY #922) HAS A 2 STAGE CEMENT JOB... CEMENTED AS FOLLOWS: (1) 150 SACK SC-50 POZ W/ ADDITIVES ABOVE INJECTION ZONE, AND (2) 200 SACKS W/ ADDITIVES CEMENTED TO SURFACE (0-672') W/ 1" PIPE $\frac{3}{4}$ W/ 30 OR 35 SACKS RETURN.			
CONCLUSIONS, ACTION TAKEN OR REQUIRED MR. HALL IS SENDING ADDITIONAL INFO TO MY ATTENTION			
INFORMATION COPIES TO: FILE # 922			

Tommy Haul  
Cement Records  
Osage County, OK  
9 NW 1/4 T27N R7E

Field test → tech review  
Sun Oil Co. - inadequate cement →



EPA form # 922 Inventory

(918) 287-2339

ASAP 20 min



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

(33)

FEB 26 1986

Certified Mail #P 248 560 449 - Return Receipt Requested

Drummond and Hull Oil Company  
P.O. Box 1268  
Pawhuska, OK 74056

Re: Requiring Existing Injection Well (Authorized by Rule) to Apply for  
a Permit

Inventory No: 922

Well No: 9

Location: NW/Qtr; Sec. 1; Twp. 27N; Rnge. 7E

Dear Sir:

We have reviewed both the inventory information submitted by you and data contained in the Bureau of Indian Affairs (BIA) files on the subject well. Such review is in accordance with the Underground Injection Control (UIC) program regulations (40 CFR Part 147.2911). We have determined that the construction of the well may not be adequate to prevent the movement of fluid into an underground source of drinking water (USDW) because:

Inventory and BIA records indicate inadequate cement behind the long string casing to prevent the movement of fluid into a USDW.

Therefore, you are required to do one of the following:

1. Submit a permit application on the subject well, or
2. Submit a corrective action plan including a schedule.

Please submit the permit application or the corrective action plan to the Osage UIC office in Pawhuska no later than ninety (90) days from the date of this letter. Enclosed is a permit application form and samples of additional information to be submitted.

Failure to submit the permit application or the corrective action plan by the specified date may automatically terminate your authorization to inject by rule and require that the well be plugged and abandoned within one (1) year from the date of this letter. The requirements for plugging and abandonment are specified in 40 CFR Part 147.2905.

bcc: Joyce Lehe, 6W-SE

6W-SE JOHNSON:Jm:X2774:2/20/86:Disk REOP-86/

CONCURRENCES

SYMBOL	6W-SE	6W-SE	6W-SE	6W-S			
SURNAME	PECKHAM	LEHE	CHAVARRIA	CABRA			
DATE	2-20-86		2/21/86				



-2-

If you have any questions on the well construction determinations, please contact Stephanie Johnson in our Dallas office at (214) 767-8997. If you need additional information or assistance in preparing your permit application, please feel free to contact the Osage UIC office in Pawhuska at (918) 287-4041.

Sincerely yours,

/s/ Kenton Kinpatrick

Myron O. Knudson  
Director, Water Management Division (6W)

Enclosure

cc: Bureau of Indian Affairs  
Osage UIC Office



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

REGION 6

1445 ROSS AVENUE, SUITE 1200  
DALLAS, TEXAS 75202-2733

March 31, 2017

JIREH RESOURCES  
PO BOX 701230  
TULSA OK 7417005 6320  
6213  
~~0922~~  
0924

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form, or any other format that includes the required information. Please submit the report(s) via postal mail, within 30 days of the date of this letter to:

**Mr. Hillol Ray**  
**Water Resources Section (6EN-WR)**  
**Environmental Protection Agency**  
**1445 Ross Avenue**  
**Dallas, Texas 75202-2733**

If you prefer, you may submit the report(s) as an attachment **with an e-mail to:** [ray.hillol@epa.gov](mailto:ray.hillol@epa.gov); or, **via fax # 214-665-2168 (Attention: Mr. Hillol Ray).**

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Federal UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Hillol Ray of my staff, at 214-665-7502.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Willie Lane, Jr.".

Willie Lane, Jr.

Chief

Water Resources Section

Enclosure(s)

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

REGION 6

1445 ROSS AVENUE, SUITE 1200  
DALLAS, TEXAS 75202-2733OS 0922  
0924  
6320  
6213

April 2, 2015

JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form, or any other format that includes the required information. Please submit the report(s) via postal mail, within 30 days of the date of this letter to:

**Ms. Emma Cornelius**  
**Water Resources Section (6EN-WR)**  
**Environmental Protection Agency**  
**1445 Ross Avenue**  
**Dallas, Texas 75202-2733**

If you prefer, you may submit the report(s) as an attachment with an e-mail to:  
**cornelius.emma@epa.gov. or, via fax # 214-665-2168 (Attention: Ms. Emma Cornelius).**

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Federal UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Ms. Emma Cornelius of my staff, at 214-665-6479.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Willie Lane, Jr.", written over a faint circular stamp.

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosure(s)





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

33

OS 0922

0924

0926

6320

6213

April 3, 2014

REPLY TO: 6EN-WR

JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Ms. Emma Cornelius at 214-665-6479.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Willie Lane, Jr.".

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosures



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS TX 75202-2733

(32)

OS0922

0924  
0926  
4859  
6320  
6213  
0927

April 2, 2013

REPLY TO: 6EN-WR

JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Ms. Emma Cornelius at 214-665-6479.

Sincerely yours,

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosures





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS TX 75202-2733

32  
OS 0924 5  
0926  
4859  
6213  
0922  
6222

April 2, 2012

REPLY TO: 6EN-WR

JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Ms. Emma Cornelius at 214-665-6479.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Willie Lane, Jr.".

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosure(s)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS TX 75202-2733

April 1, 2011

(32)  
OS6213  
6222  
0922  
4859  
0924  
0926

REPLY TO: 6EN-WR

WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Ronald Van Wyk at 214-665-6459.

Sincerely yours,

Willie Lane, Jr.  
Chief  
Water Resources Section

Enclosure





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

OS 0922  
0924  
0926  
0927  
4859  
6069  
6213

April 7, 2010

REPLY TO: 6EN-WR

WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Our April 1, 2010, letter concerning annual operating reporting requirements for injection wells in the North Quadrant of the Osage Mineral Reserve included incorrect annual report forms. We also failed to include forms for reporting static fluid levels for inactive injection wells. Enclosed with this letter are corrected annual report forms and reports for fluid level monitoring for selected wells. Please disregard this letter, if you already completed all required annual reports for the April 2009 through March 2010 reporting period. Otherwise, please discard the forms that you received previously and submit your reports using the enclosed forms. As always submit the reports to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202.**

We apologize for any inconvenience caused by our error. Please contact Mr. Ronald Van Wyk at 214-665-6459 if you have questions.

Sincerely yours,

Jerry Saunders  
Chief

Water Resources Section

Enclosures



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200  
DALLAS, TEXAS 75202-2733

32

050922  
0940  
0926  
0927  
~~0922~~  
4859  
6069  
6213

April 1, 2010

REPLY TO: 6EN-WR

WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Ronald Van Wyk at 214-665-6459.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Camille P. Wagner".

A handwritten signature in cursive script, appearing to read "Jerry Saunders".  
Jerry Saunders  
Chief  
Water Resources Section

Enclosure





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200

DALLAS, TX 75202-2733

MAR 31 2009

(32)

05 0922

0924

0926

0927

6069

REPLY TO: 6EN-WR

WANDERING STAR PARTNERS NO. 1

PO BOX 1452

PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information.

Please submit the report to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

  
Jerry Saunders  
Chief

Water Resources Section

Enclosure (s)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

MAR 3 1 2008

32

OS 0922  
0924  
0926  
0927  
6069

REPLY TO: 6EN-WR

WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information.

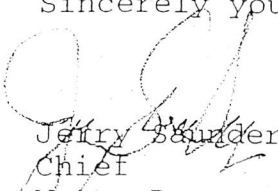
Please submit the report to the **Water Resources Section (6EN-WR)**; Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within **30 days** of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

  
Jerry Saunders  
Chief

(Water Resources Section)

Enclosure (s)





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

MAR 30 2007

(32)

OS 0922  
0924  
0927  
0926

REPLY TO: 6EN-WR

WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA, OK 74056-

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information.

Please submit the report to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within **30 days** of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "Jerry Saunders".

Jerry Saunders  
Chief  
Water Resources Section

Enclosure (s)



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

MAR 31 2006

OS 0926  
0924  
0922  
0927

REPLY TO: 6EN-WR

WANDERING STAR PARTNERS NO. 1, LLLP  
PO BOX 1452  
PAWHUSKA, OK 74056-

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **Water Resources Section (6EN-WR); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

Jerry Saunders  
Chief

Water Resources Section

Enclosure (s)





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

MAR 31 2005

(32)

05 0927  
0922  
0926  
0925  
0924

REPLY TO: 6EN-WO

HULL OIL CO  
PO BOX 1268  
PAWHUSKA, OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required. Also include any annual reports not reported previously and update any changes in your mailing address or owner/operator status on the report forms.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have any questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

Jerry Saunders  
Chief

AR/LA/OK NPDES (UIC) Section

Enclosure (s)

MAY 26 2005

IMAGING ROOM  
RECEIVED

MAY 5 8 2002

2005 MAY 18 PM 1:16

[Faint, mostly illegible text block containing several lines of what appears to be a letter or report.]

[Faint text block, possibly a signature or address area.]

[Faint text at the bottom right corner.]



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

APR 01 2003

OS 6922  
4420

REPLY TO: 6EN-WO

HULL OIL CO  
PO BOX 1268  
PAWHUSKA, OK 74056

Re: Annual Well Operation Report

Dear Operator:

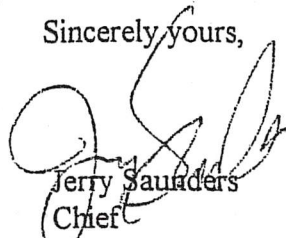
Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within **30 days** of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required. **Also include any annual reports not reported previously and update any changes in your mailing address or owner/operator status on the report forms.**

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have any questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,



Jerry Saunders  
Chief

AR/LA/OK NPDES (UIC) Section

Enclosure (s)

APR 24 2003  
(10)



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RECEIVED

2003 APR 17 PM 1:10

48 H1A



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

MAR 22 2002

OS

0922

4420

REPLY TO: 6EN-WO

HULL OIL CO  
PO BOX 1268  
PAWHUSKA, OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required. **Also include any annual reports not reported previously and update any changes in your mailing address or owner/operator status on the report forms.**

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have any questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Jerry Saunders".

Jerry Saunders  
Chief

AR/LA/OK NPDES (UIC) Section

Enclosure (s)

(32)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

MAR 30 2001

OS  
0922  
4420

REPLY TO: 6EN-WO

HULL OIL CO  
PO BOX 1268  
PAWHUSKA, OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years. Also include any annual reports not reported previously.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

Jerry Saunders  
Chief

AR/LA/OK NPDES (UIC) Section

Enclosures



PHOTOGRAPH

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RECEIVED

2001 MAY 22 AM 9:02

Health status: patient is healthy and well. No signs of illness or injury. All vital signs are within normal limits. The patient is alert and oriented to person, place, and time.

Physical examination: The patient's physical examination is unremarkable. The heart, lungs, and abdomen are normal. The patient's weight is 150 lbs and height is 5'10".

Medical history: The patient has a history of hypertension and diabetes. He is currently taking medication for both conditions. He has no other significant medical history.

Current medications:

1. Lisinopril 10 mg daily

2. Metformin 500 mg daily

3. Aspirin 81 mg daily

4. Insulin 10 units daily

PHOTOGRAPH

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RECEIVED

2001 MAY 22 AM 9:02



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

MAR 31 2000

(32)

OS 0922  
4420

REPLY TO: 6EN-WO

HULL OIL CO  
PO BOX 1268  
PAWHUSKA, OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency (EPA). A report is due for each well for which a form is enclosed. Also enclosed are forms for reports we have not received from previous years. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the AR/LA/OK NPDES (UIC) Section (6EN-WO); EPA ; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

A handwritten signature in cursive script, reading "Carl E. Williams for", is written over the typed name "Jerry Saunders".

Jerry Saunders  
Chief

AR/LA/OK NPDES (UIC) Section

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00 MAY -3 AM 7:41





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

March 31, 1999

(32)

OS 0922  
4420

REPLY TO: 6EN-WO

HULL OIL CO  
PO BOX 1268  
PAWHUSKA, OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

A handwritten signature in dark ink, appearing to read "Jerry Saunders".

Jerry Saunders  
Chief  
AR/LA/OK NPDES (UIC) Section

Enclosures

IMAGING ROOM  
RECEIVED

99 NOV -2 PM 4:42

10/3/17

TO: THE ATTORNEY GENERAL, OSAGE COUNTY, OKLAHOMA

FROM: THE ATTORNEY GENERAL, OSAGE COUNTY, OKLAHOMA

RE: [Illegible text]

[Illegible text]

[Illegible text]

[Illegible text]

[Illegible text]

[Illegible text]

[Illegible text]

[Illegible text]

[Illegible text]



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

OS

0922  
4420

March 31, 1998

REPLY TO: 6EN-WO

B0375

HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the **AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202** within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Jerry Saunders".

Jerry Saunders  
Chief  
AR/LA/OK NPDES (UIC) Section

Enclosure



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

REGION 6

1445 ROSS AVENUE, SUITE 1200

DALLAS, TX 75202-2733

March 31, 1997

REPLY TO: 6EN-WO

B0375

HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require you to submit an annual report of injection activities to the Environmental Protection Agency. A report is due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please submit the report to the AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202 within 30 days of the date of this letter.

The UIC permit for a well may require you to provide information in addition to that shown on the enclosed form. Submit that information with your report on a separate sheet of paper. Please review the permit for each of your injection wells to be sure that you are reporting all information required.

Data reported must be accurate and supported by your records. Osage UIC regulations require you to keep copies of monitoring reports and supporting records for at least three years.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,



Jerry Saunders  
Chief

AR/LA/OK NPDES (UIC) Section

Enclosures

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RECEIVED

97 JUL -1 AM 8:17

(32)



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200

DALLAS, TX 75202-2733

OS

0922

4420

March 29, 1996

REPLY TO: 6EN-WO

B0375

HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency to ensure that underground sources of drinking water are being protected. A report is now due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please send the report to me (within 30 days) at: **AR/LA/OK NPDES (UIC) Section (6EN-WO); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202.**

The enclosed form shows minimum data which you must report. In some instances, the UIC permit for a well may require you to provide additional data (e. g.; fluid production in the area). Therefore, check the permit for each of your injection wells to be sure that you are reporting all information required. You need to report tubing/casing annulus pressure only if you are demonstrating well mechanical integrity by maintaining positive annulus pressure.

Data reported must be accurate and supported by your records (e. g.; original echometer strip charts of fluid level monitoring or field books that show injection pressure and volume). Osage UIC regulations require you to retain copies of monitoring reports and supporting records for at least three years. Also, note that the "certification" at the bottom of the form states that reported data are accurate.





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

March 30, 1995

REF: TO: 6W-SE

HULL OIL CO  
PO BOX 1263  
PAWUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency (40 CFR §§147.2913(b) and 147.2922(b)). Submit reports required now to this office within 30 days after receipt of this letter.

A report form is enclosed for each of your injection wells for which a report is now due. The report form shows minimum data which must be reported for each well. The data may be submitted on another format (e. g.; computer printouts, etc.). However, you must submit, at a minimum, the same information shown on the enclosed form.

You may be required to submit data not shown on the form (e.g.; fluid production in the area). Therefore, before you complete the annual report, check the permit for each of your injection wells to be sure that you are reporting all information required. Failure to report all information required by a UIC permit for a well could result in enforcement action.

Make sure that the reported data can be supported by your records (e. g.; original echometer strip charts of fluid level monitoring or field books to show daily injection pressure and volume). Osage UIC regulations [40 CFR §§147.2913(e) and 147.22(d)] require that you retain monitoring records for at least three years. Also, reporting of information that cannot be supported by records may result in enforcement action. The Safe Drinking Water Act, as amended (42 USC §300f et seq.) provides for civil and criminal enforcement for reporting inaccurate or false information. Monetary penalties of up to \$25,000 per day of violation may be assessed.

If you have questions, please contact Mr. Dale Selgrath at 214-665-8083.

Sincerely yours,

A handwritten signature in cursive script that reads "Bernadine Gordon".

Bernadine Gordon  
Chief  
Administrative Section (6W-SA)

Enclosures

cc: Osage UIC Office  
BIA, Minerals Office



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

March 30, 1994

REPLY TO: 6W-SE

B0375

HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency to ensure that underground sources of drinking water are being protected. A report is now due for each well for which a form is enclosed. You may use either the enclosed form or any other format that includes the required information. Please send the report to me (within 30 days) at: UIC Administrative Section (6W-SA); Environmental Protection Agency; 1445 Ross Avenue; Dallas, Texas 75202.

The enclosed form shows minimum data which you must report. In some instances, the UIC permit for a well may require you to provide additional data (e. g.; fluid production in the area). Therefore, check the permit for each of your injection wells to be sure that you are reporting all information required. You need to report tubing/casing annulus pressure only if you are demonstrating well mechanical integrity by maintaining positive annulus pressure.

Data reported must be accurate and supported by your records (e. g.; original echometer strip charts of fluid level monitoring or field books that show injection pressure and volume). Osage UIC regulations require you to retain copies of monitoring reports and supporting records for at least three years. Also, note that the "certification" at the bottom of the form states that reported data are accurate.

Thank you for doing your part in protecting the environment for current and future generations in Osage County. If you have questions, please contact Mr. Dale Selgrath at 214-655-8082.

Sincerely yours,

A handwritten signature in cursive script that reads "Bernadine Gordon".

Bernadine Gordon  
Chief  
Administrative Section (6W-SA)

Enclosures

cc: Osage UIC Office  
BIA, Minerals Branch



Printed on Recycled Paper



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200

DALLAS, TEXAS 75202-2733

March 30, 1993

REPLY TO: 6W-SE

B3375

HULL OIL CO  
PO BOX 1206  
PAWBUKA OK 74056

Re: Annual Well Operation Report

Dear Operator:

Underground Injection Control (UIC) Program regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency [40 CFR §§147.2913(b) and 147.2922(b)]. Submit reports required now to the address shown below within 30 days after receipt of this letter.

UIC Permits/Enforcement Section (6W-SE)  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, TX 75202-2733

A report form is enclosed for each injection well for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. Tubing/casing annulus pressure monitoring is required only if you choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR §§147.2912(a)(1)(ii) and 147.2920(b)(1)(ii)].

If you have questions, please contact Ms. Thea Lomax at 214-655-8098 or the Osage UIC Office at 918-287-4041.

Sincerely yours,

  
Gus Chavarria  
Chief

UIC Permits and Enforcement Section (6W-SE)

Enclosures

cc: Osage UIC Office  
BIA, Minerals Office





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TX 75202-2733

32

050922  
054420 March 30, 1992

REPLY TO: 6W-SE

B0375

HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Sir:

Underground Injection Control (UIC) Program regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency [40 CFR §§147.2913(b) and 147.2922(b)]. Submit reports required now to the address shown below within 30 days after receipt of this letter.

UIC Permits/Enforcement Section (6W-SE)  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, TX 75202-2733

A report form is enclosed for each injection well for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. Tubing/casing annulus pressure monitoring is required only if you choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR §§147.2912(a)(1)(ii) and 147.2920(b)(1)(ii)].

If you have questions, please contact Ms. Thea Lomax at 214-655-7165 or the Osage UIC Office at 918-287-4041.

Sincerely yours,

Joe Chavarria  
Chief

UIC Permits and Enforcement Section (6W-SE)

Enclosures

cc: Osage UIC Office  
BIA, Minerals Office





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200

DALLAS, TEXAS 75202-2733

(32)

0922

4420 March 30, 1991

REPLY TO: 6W-SE

B0375

HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Sir:

Underground Injection Control (UIC) Program regulations require operators of injection wells in Osage County, Oklahoma to submit annual operation reports to the Environmental Protection Agency [40 CFR §§147.2913(b) and 147.2922(b)]. Submit reports required now to the address shown below within 30 days after receipt of this letter.

UIC Permits/Enforcement Section (6W-SE)  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, TX 75202-2733

A report form is enclosed for each injection well for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. Tubing/casing annulus pressure monitoring is required only if you choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR §§147.2912(a)(1)(ii) and 147.2920(b)(1)(ii)].

If you have questions, please contact Ms. Thea Lomax at 214-655-7165 or the Osage UIC Office at 918-287-4041.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Gus Chavarria".

Gus Chavarria

Chief

UIC Permits and Enforcement Section (6W-SE)

Enclosures

cc: Osage UIC Office  
BIA, Minerals Office

(32)



## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6

1445 ROSS AVENUE, SUITE 1200

DALLAS, TEXAS 75202-2733

March 30, 1990

REPLY TO: 6W-SE

B0375

050922  
054420

HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Re: Annual Well Operation Report

Dear Sir:

According to Osage Underground Injection Control (UIC) Program regulations operators of injection wells in Osage County, Oklahoma must submit annual operation reports to the Environmental Protection Agency [40 CFR §§147.2913(b) and 147.2922(b)]. Submit this report by April 30, 1990, to:

UIC Permits/Enforcement Section (6W-SE)  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, TX 75202-2733

ATTN: Mr. Gus Chavarria

An appropriate report form is enclosed for each injection well for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. Tubing/casing annulus pressure monitoring is required only if you choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR §§147.2912(a)(1)(ii) and 147.2920(b)(1)(ii)].

If you have questions, please contact Mr. Ray Leissner at (214) 655-7165 or the Osage UIC Office at (918) 287-4041.

Sincerely yours,

Oscar Cabra, Jr., P.E.  
Chief  
Water Supply Branch (6W-S)

Enclosures

cc: Osage UIC Office  
BIA, Minerals Office





## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VI  
1445 ROSS AVENUE, SUITE 1200  
DALLAS, TEXAS 75202

MAR 3 1 1989

4420

0922

B0375

HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Re: Annual Disposal/Injection Well Monitoring Report

Dear Sir:

The Osage Underground Injection Control (UIC) Program regulations require Class II injection well operators to provide an annual operation report on each injection well to the Environmental Protection Agency [40 CFR §§147.2913(b) and 147.2922(b)]. The injection pressure and rate must be monitored monthly and reported annually. Submit this report by April 30, 1989, to:

UIC Permits/Enforcement Section (6W-SE)  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, TX 75202-2733  
ATTN: Mr. Gus Chavarria

A report form is enclosed for each injection well which you operate in Osage County, Oklahoma for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. Tubing/casing annulus pressure monitoring is required only if you choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR §§147.2912(a)(1)(ii) and 147.2920(b)(1)(ii)].

Your cooperation in this matter is appreciated. If you have questions, please contact Ms. Thea Lomax at (214) 655-7165 or the Osage UIC Office at (918) 287-4041.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Oscar Cabra, Jr.".

Oscar Cabra, Jr., P.E.  
Chief

Water Supply Branch (6W-S)

Enclosures

cc: Osage UIC Office  
BIA Minerals Office

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

REGION VI

ALLIED BANK TOWER AT FOUNTAIN PLACE

1445 ROSS AVENUE  
DALLAS, TEXAS 752024420  
922

(32)

March 31, 1988

B0375

HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Re: Annual Disposal/Injection Well Monitoring Report

Dear Sir:

The Osage Underground Injection Control (UIC) Program regulations require Class II injection well operators to provide an annual operation report on each injection well to the Environmental Protection Agency [40 CFR §§147.2913(b) and 147.2922(b)]. The injection pressure and rate must be monitored monthly and reported annually. Submit this report by April 30, 1988, to:

UIC Permits/Enforcement Section (6W-SE)  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, TX 75202-2733  
ATTN: Mr. Gus Chavarria

A report form is enclosed for each injection well which you operate in Osage County, Oklahoma for which a report is now due. The data may be submitted on another format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form. Tubing/casing annulus pressure monitoring is required only if you choose to demonstrate mechanical integrity through tubing/casing monitoring [40 CFR §§147.2912(a)(1)(ii) and 147.2920(b)(1)(ii)].

Your cooperation in this matter is appreciated. If you have questions, please contact Mr. John Walker in Dallas at (214) 655-7165 or the Osage UIC Office in Pawhuska at (918) 287-4041.

Sincerely yours,

Oscar Cabra, Jr., P.E.  
Chief

Water Supply Branch (6W-S)

Enclosures

cc: Osage UIC Office  
BIA Minerals Office



October 3, 2017

Bird Creek - Osage County, Oklahoma

10-9\_OS0922 97 of 177

ENF 4 P 303 856 335 NORTH

4720 RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)



UNITED STATES ENVIRONMENTAL  
REGION VI  
ALLIED BANK TOWER AT FOUNTAIN PLACE  
1445 ROSS AVENUE  
DALLAS, TEXAS 75202

MAR 3 1 1987

REPLY TO: 6W-SE

Certified Mail #P 303 856 335 - Return Receipt Requested

B0375

HULL OIL CO  
PO BOX 1268  
PAWHUSKA  
OK

74056

Re: Annual Disposal/Injection Well Monitoring Report

Dear Sir:

The Osage Underground Injection Control (UIC) Program require each Class II injection well operator to provide a monitoring report to the Environmental Protection Agency (40 CFR 147.2922(b)). The injection pressure and rate must be reported monthly and reported annually. Please submit this report

Permits/Enforcement Section (6W-SE)  
U.S. Environmental Protection Agency  
1445 Ross Avenue  
Dallas, TX 75202-2733

Attn: Mr. Gus Chavarria

An Annual Disposal/Injection Well Monitoring Report is due by April 30, 1987, for each well in Osage County, Oklahoma, listed on the enclosure. The data may be submitted on some other format (computer printouts, etc.). However, you must submit the same information requested on the enclosed form.

Your cooperation in this matter is appreciated. If you have questions, please contact Mr. Desi Crouther in Dallas at (214) 655-7165 or the Osage UIC office in Pawhuska at (918) 287-4041.

Sincerely yours,

Oscar Cabra, Jr., P.E.  
Chief

Water Supply Branch (6W-S)

Enclosures

PS Form 3800, June 1985

HULL OIL CO  
PO BOX 1268  
PAWHUSKA  
OK

Postage	
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$

Postmark or Date

MAR 3 1 1987

CERTIFIED

P 303 856 335

MAIL



United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

29

## Annual Disposal/Injection Well Monitoring Report

Operator: JIREH RESOURCES  
PO BOX 701230  
TULSA OK 74170

Owner: JIREH RESOURCES  
PO BOX 701230  
TULSA OK 74170

State: OK County: OSAGE

Inventory Number: OS0922000

Tr Section: NW Section: 01

Township: 27N

Range: 07E

Surface Location: 1650S/990W

Well Activity

Enhanced Recovery

No. of Wells: 5

*Production well*

Type of Permit

☒ Individual

☐ Area

Lease Name

Blackland "Drummond"

Well Number

9 - ABR well

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2016	0	0	26,450			
May 2016	0	0	27,361			
Jun 2016	0	75	26,792			
Jul 2016	12	8	27,349			
Aug 2016	36	100	30,199			
Sep 2016	0	0	1450	Shut In well 9/2/2016		
Oct 2016	0	0	0	Waiting For Workover - Have Permit		
Nov 2016	0	0	0			
Dec 2016	0	0	0			
Jan 2017	0	0	0			
Feb 2017	0	0	0			
Mar 2017	0	0	0			

## CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Signature:

Date Signed:

*Larry A. Woods V.P.*



*3/31/2017*

*Entered*



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**

P. O. Box 1495

Pawhuska, OK 74056

Inspector: J. Andrew Yates Dt/Tm Inspected: 9/6/2016 1:00:00 PM Duration: 0.3  
 Operator Representative: CHANCE CRAWFORD Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_

**General Well Data and Inspection Information**

Operator: JIREH RESOURCES, LLC Inventory No.: OS0922 API Well No. 35-113-30317-00-00  
P.O. BOX 701230 Well Name/No.: ACKLAND #9 #9 Status: \_\_\_\_\_  
TULSA, OK 74170 Location: NW 1 27N 7E 990W - 1650S Well Type: EOR  
 Phone: \_\_\_\_\_ Field Nm: \_\_\_\_\_ Lat/Lng: 36.85202, -96.507365 G

**ROUTINE UIC INSPECTION**

Purpose: Routine Periodic Responsible Company at Time of Inspection: JIREH RESOURCES, LLC  
 Inspect No.: ijay1625239911 Notification Type: \_\_\_\_\_  
 Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
 Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Pressures / Conditions**

Date Last MIT: 1/16/2013 Test Result: \_\_\_\_\_ Casing: 5.500 in. Tubing: 2.375 in. USDW: 665 ft subsurf

Monitoring Device Elected: \_\_\_\_\_  
 Monitoring Device: \_\_\_\_\_  
 FLM Canister Pressure: \_\_\_\_\_  
 Lease Status: Active  
 Barrel Monitor Hooked Up?: \_\_\_\_\_  
 Barrel Fluid Level (%): \_\_\_\_\_  
 Flowline Hooked Up?: N  
 Injecting?: N

	Tubing	Annulus	
Fittings:	<u>NA</u>	<u>NA</u>	<b>AUTHORIZED</b>
Actual Pressure:	_____	_____	Max Pressure: <u>697</u>
How Determined?:	_____	_____	Min Req Press: _____
Static Fluid Level:	_____	_____	Max Rate: _____
How Determined?:	_____	_____	
Injection Rate (bpd):	_____	_____	How Rate Determined? _____

**Comments**

WORK-OVER IN PROGRESS, PULLING UNIT @ WELL. REPAIRING TBG. LEAK. WILL CALL AND TEST/MIT WHEN DONE.

Evaluation: Name: JM Date: 9/9/16  
 Inspection Results: 1 Follow-up: A Reason: SEC  
 Violation Code: 0 Frequency: NK Received Date: 9/9/2016



**Mechanical Integrity Test Results**

SCAN CODE: 28

**Casing or Annulus Pressure Test****Osage Nation / Environmental Protection Agency**

P.O. Box 1495

Pawhuska, OK 74056

Inspector: Larry StephensTest Date: 01/16/2013 Test Time: 12:45 PMOperator Representative: NATHAN BUCHANON

Date Report Sent to Operator: \_\_\_\_\_

**General Well Data**

Operator: JIREH RESOURCES, LLC - 1486 Inventory Number: OS0922  
2526 EAST 71ST ST. STE A API Well No.: 35-113-30317-00-00  
TULSA, OK 74136 Well Name/No.: BLACKLAND #9  
 Location: NW 1 27N 7E 1650S - 990W  
 Phone: \_\_\_\_\_ Field name: \_\_\_\_\_  
 Injection Interval: 2540 - 2570 USDW Bot: 665 Well Type: EOR  
 Annulus Fluid Type: \_\_\_\_\_ Concentric Pkr: - Packer Depth: 2480 Casing: 5.500 in. Tubing: ##### in.

**Tubing and Annulus Pressure Test Results**Type of MIT: Std. Annulus Pres. TestTest Reason: Post Workover TestInj. Status: N Inj. Rate: \_\_\_\_\_ bpd Tubular Lining: Seal-tite Dual Time Since Ann Filled: \_\_\_\_\_ Hrs

	Time	Tubing Pressure	Time	Annulus Pressure	Flowback	Pressure	Volume
Pre-Test:		0		0 psi	High:	210 psi	
Initial:	1:10 PM	0		220 psi	Mid:	100 psi	2500 ml
Mid:	1:25 PM	0		210 psi	Low:	20 psi	2250 ml
Final:	1:40 PM	0		210 psi	End:	0 psi	250 ml
					Total Volume:		5000 ml

**Casing/Tubing Annulus Monitoring**

Device: \_\_\_\_\_

Fluid Level: \_\_\_\_\_ Annulus Prs: \_\_\_\_\_ psi

Test Result: Acceptable

Failure Type: \_\_\_\_\_

Failure Cause: \_\_\_\_\_

Repair Due: \_\_\_\_\_

Engineer Signature: Rick L. DavisReview Date: 01/28/2013**ADA Pressure Test - Required Test Pressure**

(Fluid Column Ht \* Specific Gravity \* .433 / N2 Wt Fac = Required Test Pressure)

	Tubing	Annulus
Depth to Top Perf/Open Hole:	_____ ft	_____ ft
Depth to Fluid Level:	_____ ft	_____ ft
Fluid Column Height:	_____ ft	_____ ft
Specific Gravity of Fluid:	<u>1.06</u>	<u>1.06</u>
Nitrogen Weight Factor:	_____	_____
Required Test Pressure:	_____ psi	_____ psi

**Additional Comments for Mechanical Integrity Test**

PACKER DEPTH IS 2480', POST WORKOVER MIT---  
HELD PRESSURE OK.PULL OLD TUBING AND  
PACKER;SET RETRIEVABLE PLUG, SPOT CEMENT  
FROM 2350 TO 550', SQUEEZE HOLES IN CASING  
AND LET SET. DRILL OUT 1800 FEET OF CEMENT.  
PICK UP NEW STRING TUBIN AND NEW PACKER.

Received Date: 1/30/2013



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**

P. O. Box 1495

Pawhuska, OK 74056

Inspector: Larry Stephens Dt/Tm Inspected: 1/16/2012 12:45:00 PM Duration: 1.0  
 Operator Representative: NATHAN BUCHANON Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_

**General Well Data and Inspection Information**

Operator: JIREH RESOURCES, LLC Inventory No.: OS0922 API Well No. 35-113-30317-00-00  
2526 EAST 71ST ST. STE A Well Name/No.: ACKLAND #9 #9 Status: \_\_\_\_\_  
TULSA, OK 74136 Location: NW 1 27N 7E 990W - 1650S Well Type: EOR  
 Phone: \_\_\_\_\_ Field Nm: \_\_\_\_\_ Lat/Lng: 36.85202, -96.507365 G

**ROUTINE W/MIT INSPECTION**

Purpose: Operator Request Responsible Company at Time of Inspection: JIREH RESOURCES, LLC  
 Inspect No.: iLMS1301732228 Notification Type: \_\_\_\_\_  
 Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
 Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Observed Items**

Code	Description	Date Rescheduled
18	Absent Well Identification Signs	

**Pressures / Conditions**

Date Last MIT: 1/16/2013 Test Result: \_\_\_\_\_ Casing: 5.500 in. Tubing: 2.375 in. USDW: 665 ft subsurf

Monitoring Device Elected: \_\_\_\_\_

Monitoring Device: \_\_\_\_\_

FLM Canister Pressure: \_\_\_\_\_

Lease Status: Active

Barrel Monitor Hooked Up?: \_\_\_\_\_

Barrel Fluid Level (%): \_\_\_\_\_

Flowline Hooked Up?: NInjecting?: N

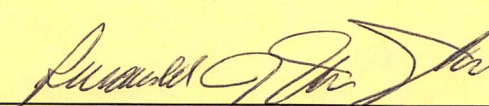
Tubing Annulus

Fittings: Y Y**AUTHORIZED**Actual Pressure: 0 0 Max Pressure: 697How Determined?: OV OV Min Req Press: \_\_\_\_\_Static Fluid Level: \_\_\_\_\_ 0 Max Rate: \_\_\_\_\_How Determined?: \_\_\_\_\_ 0

Injection Rate (bpd): \_\_\_\_\_ How Rate Determined? \_\_\_\_\_

**Comments**

ACTIVE WELL; OPERATOR REQUEST FOR MIT; POST WORKOVER MIT---HELD PRESSURE OK;  
AFTER WORKOVER. PULL OLD TUBING AND PACKER. SET RETRIEVABLE PLUG; SPOT  
CEMENT FROM 2350 TO 550'. SQUEEZE LET SET. DRILL OUT 1800 FEET OF CEMENT. PICK UP  
NEW STRING TUBING AND NEW PACKER. SET PACKER AT 2480'.

Evaluation: Name:  Date: 1/25/13

Inspection Results: 10 Follow-up: A Reason: Sec

Violation Code: None Frequency: NR

Received Date: 1/22/2013

**United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733**

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** JIREH RESOURCES

 2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

**Owner:** JIREH RESOURCES

 2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

**State:** OK      **County:** OSAGE

**Inventory Number:** OS0922000

**Qtr Section:** NW    **Section:** 01    **Township:** 27N    **Range:** 07E    **Surface Location:** 1650S/990W

**Well Activity**

Enhanced Recovery

**No. of Wells:** 5  
*prod. wells*
**Type of Permit**
☒ Individual  
☐ Area

**Lease Name**
Blackland - Drummond
**Well Number**

9

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2014		0	12,285			
May 2014			14,449			
Jun 2014			14,821			
Jul 2014			14,515			
Aug 2014			14,628			
Sep 2014			14,781			
Oct 2014			14,653			
Nov 2014			14,705			
Dec 2014			14,752			
Jan 2015			14,862			
Feb 2015			14,795			
Mar 2015			14,782			

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**
*Larry Woods : VP.*
**Signature:**

**Date Signed:**
*4/21/2015*



**United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733**

(29)

**Annual Disposal/Injection Well Monitoring Report**

<b>Operator:</b> JIREH RESOURCES 2526 EAST 71ST STREET, SUITE A TULSA OK 74136	<b>Owner:</b> JIREH RESOURCES 2526 EAST 71ST STREET, SUITE A TULSA OK 74136
--	---

**State:** OK      **County:** OSAGE      **Inventory Number:** OS0922000  
**Qtr Section:** NW      **Section:** 01      **Township:** 27N      **Range:** 07E      **Surface Location:** 1650S/990W

**Well Activity**

Enhanced Recovery

No. of Wells: 5**Type of Permit**☒ Individual☐ Area**Lease Name**Blackland (Drummond)**Well Number**

9

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2013	Vae	Vae	2000			
May 2013			2175			
Jun 2013			1800			
Jul 2013			2140			
Aug 2013			1925			
Sep 2013			750			
Oct 2013			650			
Nov 2013			400			
Dec 2013			475			
Jan 2014			500			
Feb 2014			375			
Mar 2014			450			

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

*Larry Woods*  
*Manager*

**Signature:**

**Date Signed:**

*4/17/2014*



United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

29

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

**Owner:** JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

**State:** OK      **County:** OSAGE

**Inventory Number:** OS0922000

**Qtr Section:** NW      **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S/990W

**Well Activity**

Enhanced Recovery

No. of Wells: 1

**Type of Permit**

☒ Individual

☐ Area

**Lease Name**

Blackland

**Well Number**

9

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2012	0	0	0			
May 2012						
Jun 2012						
Jul 2012						
Aug 2012						
Sep 2012						
Oct 2012						
Nov 2012						
Dec 2012						
Jan 2013	Vac	40	6100			
Feb 2013	Vac	40	6300			
Mar 2013	Vac	40	6700			

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

Nathan Buchanan  
Operations Manager

**Signature:**

Nathan Buchanan

**Date Signed:**

8/15/2013



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**P. O. Box 1495  
Pawhuska, OK 74056Inspector: Larry Stephens Dt/Tm Inspected: 12/11/2012 1:30:00 PM Duration: 2.0  
Operator Representative: none Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_**General Well Data and Inspection Information**Operator: JIREH RESOURCES, LLC Inventory No.: OS0922 API Well No. 35-113-30317-00-00  
2526 EAST 71ST ST. STE A Well Name/No.: ACKLAND #9 #9 Status: \_\_\_\_\_  
TULSA, OK 74136 Location: NW 1 27N 7E 990W - 1650S Well Type: EOR  
Phone: \_\_\_\_\_ Field Nm: \_\_\_\_\_ Lat/Lng: 36.85202, -96.507365 G**ROUTINE UIC INSPECTION**Purpose: Fluid Level Monitoring Responsible Company at Time of Inspection: JIREH RESOURCES, LLC  
Inspect No.: iLMS1235235997 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_**Observed Items**

Code	Description	Date Rescheduled
14	Static Fluid Level Less Than 50 Feet Below USDW	

**Pressures / Conditions**Date Last MIT: 2/3/2012 Test Result: \_\_\_\_\_ Casing: 5.500 in. Tubing: 2.375 in. USDW: 665 ft subsurfMonitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: N  
Injecting?: N

	Tubing	Annulus	
Fittings:	<u>N</u>	<u>N</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>0</u>		Max Pressure: <u>697</u>
How Determined?:	<u>NV</u>		Min Req Press: _____
Static Fluid Level:	<u>188</u>		Max Rate: _____
How Determined?:	<u>E</u>		
Injection Rate (bpd):	_____	How Rate Determined?	_____

**Comments**ACTIVE WELL; WORKOVER UNIT OVER HOLE; LOOKS AS IF OLD TUBING STRING ON GROUND WITH PACKER; THERE IS A NEWER TUBING STRING ON A TRAILER BESIDE THE OLD TUBING.Evaluation: Name: *Paula J. [Signature]* Date: 1/15/13  
Inspection Results: B Follow-up: DC Reason: FLM Sec  
Violation Code: B Frequency: ETM NP Received Date: 12/19/2012*DO  
#0*



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**

P. O. Box 1495

Pawhuska, OK 74056

Inspector: Larry Stephens Dt/Tm Inspected: 8/17/2012 1:00:00 PM Duration: 0.5  
Operator Representative: NONE Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_

**General Well Data and Inspection Information**

Operator: Wandering Star Partners #1 Inventory No.: OS0922 API Well No. 35-113-30317-00-00  
PO Box 1452 Well Name/No.: ACKLAND #9 #9 Status: \_\_\_\_\_  
Pawhuska, OK 74056 Location: NW 1 27N 7E 990W - 1650S Well Type: EOR  
Phone: (918) 287-2339 Field Nm: \_\_\_\_\_ Lat/Lng: 36.85202, -96.507365 G

**ROUTINE UIC INSPECTION**

Purpose: Fluid Level Monitoring Responsible Company at Time of Inspection: Wandering Star Partners #1  
Inspect No.: iLMS1223348080 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Pressures / Conditions**

Date Last MIT: 2/3/2012 Test Result: \_\_\_\_\_ Casing: 5.500 in. Tubing: 2.375 in. USDW: 665 ft subsurf

Monitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: N  
Injecting?: N

	Tubing	Annulus	
Fittings:	<u>N</u>	<u>N</u>	<b>AUTHORIZED</b>
Actual Pressure:	_____	_____	Max Pressure: <u>697</u>
How Determined?:	_____	_____	Min Req Press: _____
Static Fluid Level:	_____	<u>155</u>	Max Rate: _____
How Determined?:	_____	<u>E</u>	
Injection Rate (bpd):	_____	_____	How Rate Determined? _____

**Comments**

T&A WELL; ALL EQUIPMENT IS LAYING ON THE GROUND BESIDE THE WELL. OPEN CASINGHEAD. OPERATOR WAITING ON MONEY TO FINISH THE WORKOVER.

Evaluation: Name: *Parvinder Singh* Date: 8/28/12

Inspection Results: 8 Follow-up: C Reason: SEL

Violation Code: B Frequency: NR

Received Date: 8/27/2012



United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

29

### Annual Fluid Level Monitoring Report

**Operator:** JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

**Owner:** JIREH RESOURCES  
2526 EAST 71ST STREET, SUITE A  
TULSA OK 74136

**State:** OK **County:** OSAGE

**Inventory Number:** OS0922000

**Qtr Section:** NW **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S/990W

**Well Activity**

Enhanced Recovery

No. of Wells: \_\_\_\_\_

**Type of Permit**

☐ Individual

☐ Area

**Lease Name**

USDW: 645 Feet

**Well Number**

9

	STATIC FLUID LEVEL (FEET SUBSURFACE)	
Month/Year	Tubing	Annulus
Apr 2011	active well	active well
May 2011		
Jun 2011		
Jul 2011		
Aug 2011		
Sep 2011		
Oct 2011		
Nov 2011		
Dec 2011		
Jan 2012		
Feb 2012		
Mar 2012	500'	500'

### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

**Signature:**

**Date Signed:**

Nathan Buchanan  
Operations Mgr

Nathan Buchanan

7/1/2012

**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**P. O. Box 1495  
Pawhuska, OK 74056Inspector: Larry Stephens Dt/Tm Inspected: 3/26/2012 11:30:00 AM Duration: 1.0  
Operator Representative: NONE Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_**General Well Data and Inspection Information**Operator: Wandering Star Partners #1 Inventory No.: OS0922 API Well No. 35-113-30317-00-00  
PO Box 1452 Well Name/No.: ACKLAND #9 #9 Status: \_\_\_\_\_  
Pawhuska, OK 74056 Location: NW 1 27N 7E 990W - 1650S Well Type: EOR  
Phone: (918) 287-2339 Field Nm: \_\_\_\_\_ Lat/Lng: 36.85202, -96.507365 G**ROUTINE UIC INSPECTION**Purpose: Routine Periodic Responsible Company at Time of Inspection: Wandering Star Partners #1  
Inspect No.: iLMS1208730775 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_**Pressures / Conditions**Date Last MIT: 2/3/2012 Test Result: \_\_\_\_\_ Casing: 5.500 in. Tubing: 2.375 in. USDW: 665 ft subsurfMonitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: N  
Injecting?: N

	Tubing	Annulus	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>0</u>	<u>0</u>	Max Pressure: <u>697</u>
How Determined?:	<u>OV</u>	<u>OV</u>	Min Req Press: _____
Static Fluid Level:	_____	<u>15</u>	Max Rate: _____
How Determined?:	_____	<u>E</u>	
Injection Rate (bpd):	_____	_____	How Rate Determined? _____

**Comments**T&A WELL, TUBING AND PACKER STUCK IN HOLE; THERE IS LARGE AMOUNT OF 300 PSI IN HOLE AND THE PACKER CANNOT BE MOVED. 300 PSI IS PROBABLY WHY I CANT GET A GOOD FLUID LEVEL READING DOWN THE ANNULUS.Evaluation: Name: *Paula J. [Signature]* Date: 3/28/12Inspection Results: B Follow-up: C Reason: SELViolation Code: B Frequency: NL

Received Date: 3/27/2012



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**P. O. Box 1495  
Pawhuska, OK 74056Inspector: Larry Stephens Dt/Tm Inspected: 2/3/2012 10:00:00 AM Duration: 1.0  
Operator Representative: NATHAN BUCHANON Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_**General Well Data and Inspection Information**Operator: Wandering Star Partners #1 Inventory No.: OS0922 API Well No. 35-113-30317-00-00  
PO Box 1452 Well Name/No.: ACKLAND #9 #9 Status: \_\_\_\_\_  
Pawhuska, OK 74056 Location: NW 1 27N 7E 990W - 1650S Well Type: EOR  
Phone: (918) 287-2339 Field Nm: \_\_\_\_\_ Lat/Lng: 36.85202, -96.507365 G**ROUTINE W/MIT INSPECTION**Purpose: \_\_\_\_\_ Responsible Company at Time of Inspection: Wandering Star Partners #1  
Inspect No.: iLMS1203452738 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_**Pressures / Conditions**Date Last MIT: 2/3/2012 Test Result: \_\_\_\_\_ Casing: 5.500 in. Tubing: 2.375 in. USDW: 665 ft subsurfMonitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: N  
Injecting?: N

	Tubing	Annulus	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>0</u>	<u>0</u>	Max Pressure: <u>697</u>
How Determined?:	<u>OV</u>	<u>OV</u>	Min Req Press: _____
Static Fluid Level:	_____	_____	Max Rate: _____
How Determined?:	_____	_____	
Injection Rate (bpd):	_____	_____	How Rate Determined? _____

**Comments**WELL IS T&A; SCHEDULED FOR AN MIT BUT RECEIVED A PHONE CALL SAYING THAT THEY WERE VERBALLY FAILING THE MIT. PER NATHAN BUCHANON.Evaluation: Name: *Nathan Buchanan* Date: 2/21/12Inspection Results: 10 Follow-up: D Reason: FLMViolation Code: None Frequency: MO

Received Date: 2/16/2012



**Mechanical Integrity Test Results**

SCAN CODE: 28

**Casing or Annulus Pressure Test****Osage Nation / Environmental Protection Agency**P.O. Box 1495  
Pawhuska, OK 74056Inspector: Larry Stephens Test Date: 02/03/2012 Test Time: 10:00 AM  
Operator Representative: NATHAN BUCHANON Date Report Sent to Operator: \_\_\_\_\_**General Well Data**Operator: Wandering Star Partners #1 - Inventory Number: OS0922  
PO Box 1452 API Well No.: 35-113-30317-00-00  
Pawhuska, OK 74056 Well Name/No.: BLACKLAND #9  
Location: NW 1 27N 7E 1650S - 990W  
Phone: (918) 287-2339 Field name: \_\_\_\_\_  
Injection Interval: 2547 - 2570 USDW Bot: 665 Well Type: EOR  
Annulus Fluid Type: \_\_\_\_\_ Concentric Pkr: - Packer Depth: 2521 Casing: 5.500in. Tubing: #####in.**Tubing and Annulus Pressure Test Results**Type of MIT: Std. Annulus Pres. Test Test Reason: 5-year Test  
Inj. Status: N Inj. Rate: \_\_\_\_\_ bpd Tubular Lining: Standard Time Since Ann Filled: \_\_\_\_\_ Hrs

Time	Tubing Pressure	Time	Annulus Pressure	Flowback	Pressure	Volume
Pre-Test:	_____	_____	_____ psi	High:	_____ psi	_____ ml
Initial:	_____	_____	_____ psi	Mid:	_____ psi	_____ ml
Mid:	_____	_____	_____ psi	Low:	_____ psi	_____ ml
Final:	_____	_____	_____ psi	End:	_____ psi	_____ ml
				Total Volume:	_____	0 ml

**Casing/Tubing Annulus Monitoring**Device: \_\_\_\_\_  
Fluid Level: \_\_\_\_\_ Annulus Prs: \_\_\_\_\_ psi  
Test Result: Failure  
Failure Type: \_\_\_\_\_  
Failure Cause: \_\_\_\_\_  
Repair Due: \_\_\_\_\_  
Engineer Signature: Rick L. Davis  
Review Date: 09/02/2012**ADA Pressure Test - Required Test Pressure**

(Fluid Column Ht \* Specific Gravity \* .433 / N2 Wt Fac = Required Test Pressure)

	Tubing	Annulus
Depth to Top Perf/Open Hole:	_____ ft	_____ ft
Depth to Fluid Level:	_____ ft	_____ ft
Fluid Column Height:	_____ ft	_____ ft
Specific Gravity of Fluid:	<u>1.06</u>	<u>1.06</u>
Nitrogen Weight Factor:	_____	_____
Required Test Pressure:	_____ psi	_____ psi

**Additional Comments for Mechanical Integrity Test**MIT VERBALLY FAILED BY NATHAN BUCHANON

Received Date: 2/16/2012

**United States Environmental Protection Agency**  
**Underground Injection Control Program**  
 1445 Ross Avenue  
 Dallas, TX 75202-2733

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** WANDERING STAR PARTNERS NO. 1  
 PO BOX 1452  
 PAWHUSKA OK 74056

**Owner:** WANDERING STAR PARTNERS NO. 1  
 PO BOX 1452  
 PAWHUSKA OK 74056

**State:** OK      **County:** OSAGE

**Inventory Number:** OS0922000

**Qtr Section:** NW      **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S/990W

**Well Activity**

Enhanced Recovery

No. of Wells: \_\_\_\_\_

**Type of Permit**

☐ Individual

☐ Area

**Lease Name**

Blackland #9

**Well Number**

9

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2010	Ø	Ø	Ø			
May 2010						
Jun 2010						
Jul 2010						
Aug 2010						
Sep 2010						
Oct 2010						
Nov 2010						
Dec 2010						
Jan 2011						
Feb 2011						
Mar 2011						

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

*[Signature]* Director of Operations

**Name and Official Title:**

**Signature:**

*[Signature]*

**Date Signed:**



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**P. O. Box 1495  
Pawhuska, OK 74056Inspector: Larry Stephens Dt/Tm Inspected: 9/13/2010 1:00:00 PM Duration: 0.3  
Operator Representative: NONE Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_**General Well Data and Inspection Information**Operator: Wandering Star Partners #1 Inventory No.: OS0922 API Well No. 35-113-30317-00-00  
PO Box 1452 Well Name/No.: !LACKLAND 9 9 Status: \_\_\_\_\_  
Pawhuska, OK 74056 Location: NW 1 27N 7E 990W - 1650S Well Type: EOR  
Phone: (918) 287-2339 Field Nm: \_\_\_\_\_ Lat/Lng: 36.85202, -96.507365 G**ROUTINE UIC INSPECTION**Purpose: Routine Periodic Responsible Company at Time of Inspection: Wandering Star Partners #1  
Inspect No.: iLMS1025650244 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_**Pressures / Conditions**Date Last MIT: 10/6/2004 Test Result: \_\_\_\_\_ Casing: 5.500 in. Tubing: 2.375 in. USDW: 665 ft subsurfMonitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: N  
Injecting?: N

	Tubing	Annulus	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>0</u>	<u>0</u>	Max Pressure: <u>697</u>
How Determined?:	<u>UIC</u>	<u>OV</u>	Min Req Press: _____
Static Fluid Level:	_____	_____	Max Rate: _____
How Determined?:	_____	_____	
Injection Rate (bpd):	_____	_____	How Rate Determined? _____

**Comments**T&A INJECTION WELL; 300 PSI IN HOLE; CANNOT MOVE TUBING AND PACKER. WORKOVER SCHEDULED TO BE ON THE WELL SOMETIME IN NEXT TWO WEEKS TO TRY AND GET TUBING AND PACKER OUT OF THE HOLE.Evaluation: Name: *Larry Stephens* Date: 9/30/10Inspection Results: 10 Follow-up: A Reason: SeeViolation Code: None Frequency: NR

Received Date: 9/22/2010

**United States Environmental Protection Agency**  
**Underground Injection Control Program**  
 1445 Ross Avenue  
 Dallas, TX 75202-2733

29

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** WANDERING STAR PARTNERS NO. 1  
 PO BOX 1452  
 PAWHUSKA OK 74056

**Owner:** WANDERING STAR PARTNERS NO. 1  
 PO BOX 1452  
 PAWHUSKA OK 74056

**State:** OK      **County:** OSAGE

**Inventory Number:** OS0922000

**Qtr Section:** NW      **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S/990W

**Well Activity**

Enhanced Recovery

No. of Wells: \_\_\_\_\_

**Type of Permit**

☐ Individual

☐ Area

**Lease Name**

Black Land

**Well Number**

9

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2009	Vac	90	23,280			
May 2009			23,612			
Jun 2009			23,240			
Jul 2009			23,814			
Aug 2009			23,100			
Sep 2009			23,600			
Oct 2009			23,650			
Nov 2009			23,580			
Dec 2009			23,400			
Jan 2010			23,700			
Feb 2010			22,100			
Mar 2010			23,390			

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Joe Webb Director of Operations

[Signature]

4/14/10

**Name and Official Title:**

**Signature:**

**Date Signed:**



United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

(29)

### Annual Disposal/Injection Well Monitoring Report

**Operator:** WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056

**Owner:** WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056

**State:** OK      **County:** OSAGE

**Inventory Number:** OS0922000

**Qtr Section:** NW      **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S/990W

**Well Activity**

Enhanced Recovery

No. of Wells: \_\_\_\_\_

**Type of Permit**

☐ Individual

☐ Area

**Lease Name**

Blackland

**Well Number**

9

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2008	Vac	<del>22,290</del> 90	23,291			
May 2008			23,796			
Jun 2008			23,615			
Jul 2008			23,112			
Aug 2008			22,601			
Sep 2008			22,654			
Oct 2008			22,450			
Nov 2008			22,621			
Dec 2008			22,696			
Jan 2009			22,654			
Feb 2009			22,781			
Mar 2009			22,815			

### CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

John M. Parks  
Production Foreman

**Signature:**

[Signature]

**Date Signed:**

06-09-09

**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**

P. O. Box 1495

Pawhuska, OK 74056

Inspector: J. Andrew Yates Dt/Tm Inspected: 9/10/2008 11:00:00 AM Duration: 0.3  
Operator Representative: NONE. Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_

**General Well Data and Inspection Information**

Operator: Wandering Star Partners #1 Inventory No.: OS0922 API Well No. 35-113-30317-00-00  
5105 Dtc Parkway, Ste. 450 Well Name/No.: LACKLAND 9 9 Status: \_\_\_\_\_  
Greenwood, Co 80111 Location: NW 1 27N 7E 990W - 1650S Well Type: EOR  
Phone: (918) 287-2339 Field Nm: \_\_\_\_\_ Lat/Lng: 36.85202, -96.507365 G

**ROUTINE UIC INSPECTION**

Purpose: Routine Periodic Responsible Company at Time of Inspection: Wandering Star Partners #1  
Inspect No.: iJAY0825942039 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Pressures / Conditions**

Date Last MIT: 10/6/2004 Test Result: \_\_\_\_\_ Casing: 5.500 in. Tubing: 2.375 in. USDW: 665 ft subsurf

Monitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: Y  
Injecting?: Y

	Tubing	Annulus	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>0</u>	<u>0</u>	Max Pressure: <u>697</u>
How Determined?:	<u>UIC</u>	<u>UIC</u>	Min Req Press: _____
Static Fluid Level:	_____	_____	Max Rate: _____
How Determined?:	_____	_____	
Injection Rate (bpd):	_____	_____	How Rate Determined? _____

**Comments**ACTIVE WELL.

Evaluation: Name: *Richard J. [Signature]* Date: 9/17/08

Inspection Results: 1 Follow-up: A Reason: See

Violation Code: NONE Frequency: NR

Received Date: 9/16/2008



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United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056

**Owner:** WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056

**State:** OK      **County:** OSAGE

**Inventory Number:** OS0922000

**Qtr Section:** NW      **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S/990W

**Well Activity**

Enhanced Recovery

No. of Wells: \_\_\_\_\_

**Type of Permit**

☐ Individual

☐ Area

**Lease Name**

Blackland

**Well Number**

9

Month/Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2007	Vac	90	22,998			
May 2007			22,601			
Jun 2007			23,248			
Jul 2007			23,810			
Aug 2007			23,112			
Sep 2007			23,615			
Oct 2007			23,421			
Nov 2007			22,497			
Dec 2007			23,575			
Jan 2008			23,721			
Feb 2008			22,481			
Mar 2008			23,404			

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

John M. Parks

**Signature:**



**Date Signed:**

4-08-08

Operations Manager

DS

United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

29

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056-

**Owner:** WANDERING STAR PARTNERS NO. 1  
PO BOX 1452  
PAWHUSKA OK 74056-

**State:** OK **County:** OSAGE

**Inventory Number:** OS0922000

**Qtr Section:** NW **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S-0990W

**Well Activity**

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

**Type of Permit**

☐ Individual

☐ Area

**Lease Name**

Black land

**Well Number**

9

**North Quadrant Reporting Form**

		Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	2006	vac	95	22,462			
May	2006			22,498			
Jun	2006			23,573			
Jul	2006			23,721			
Aug	2006			23,810			
Sep	2006			23,720			
Oct	2006			23,212			
Nov	2006			23,321			
Dec	2006			23,616			
Jan	2007			23,898			
Feb	2007			23,421			
Mar	2007			23,235			

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

John Parks  
Operations Manager

**Signature:**

*[Signature]*

**Date Signed:**

4-13-07

4-17-07  
DS



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**

P. O. Box 1495

Pawhuska, OK 74056

Inspector: J. Andrew Yates Dt/Tm Inspected: 2/7/2007 11:15:00 AM Duration: 0.3  
Operator Representative: FRANK PAYNE Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_

**General Well Data and Inspection Information**

Operator: WANDERING STAR PARTNERS #1 Inventory No.: OS0922 API Well No. 35-113-30317-00-00  
5105 DTC PARKWAY, STE. 450 Well Name/No.: 9 Status: \_\_\_\_\_  
GREENWOOD, CO 80111 Location: NW 1 27N 7E 990W - 1650S Well Type: EOR  
Phone: (918) 287-2339 Field Nm: \_\_\_\_\_ Lat/Lng: 36.85202, 96.507365 G

**ROUTINE UIC INSPECTION**

Purpose: Routine Periodic Responsible Company at Time of Inspection: WANDERING STAR PARTNERS #1  
Inspect No.: iJAY0704350821 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Pressures / Conditions**

Date Last MIT: 10/6/2004 Test Result: \_\_\_\_\_ Casing: 5.500 in. Tubing: 2.375 in. USDW: 665 ft subsurf

Monitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: Y  
Injecting?: Y

	Tubing	Annulus	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>-9</u>	<u>0</u>	Max Pressure: <u>697</u>
How Determined?:	<u>UIC</u>	<u>UIC</u>	Min Req Press: _____
Static Fluid Level:	_____	_____	Max Rate: _____
How Determined?:	_____	_____	
Injection Rate (bpd):	_____	_____	How Rate Determined? _____

**Comments**ACTIVE WELL.

Evaluation: Name: *Ronald J. [Signature]* Date: 2/15/07

Inspection Results: 1 Follow-up: A Reason: See

Violation Code: None Frequency: NR

Received Date: 2/15/2007

United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

29

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** WANDERING STAR PARTNERS NO. 1, LLLP  
PO BOX 1452  
PAWHUSKA OK 74056-

**Owner:** WANDERING STAR PARTNERS NO. 1, LLLP  
PO BOX 1452  
PAWHUSKA OK 74056-

**State:** OK **County:** OSAGE

**Inventory Number:** OS0922000

**Qtr Section:** NW **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S-0990W

**Well Activity**

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

**Type of Permit**

☐ Individual

☐ Area

**Lease Name**

Blackland

**Well Number**

9

**North Quadrant Reporting Form**

		Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	2005	100	95	23,421			
May	2005			23,725			
Jun	2005			23,698			
Jul	2005			24,125			
Aug	2005			23,810			
Sep	2005			23,210			
Oct	2005			23,614			
Nov	2005			22,898			
Dec	2005			23,645			
Jan	2006			23,235			
Feb	2006			22,410			
Mar	2006			23,672			

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

John Parks  
Operation Manager

**Signature:**



**Date Signed:**

4-20-06

MAY 4 2006

5-5-06  
DS



United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

## Annual Disposal/Injection Well Monitoring Report

RECEIVED

MAY 13 2005

Operator: HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

OSAGE NATION  
EPA/UIC

State: OK County: OSAGE

Inventory Number: OS0922000

Qtr Section: NW Section: 01

Township: 27N

Range: 07E

Surface Location: 1650S-0990W

Well Activity

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

Type of Permit☐ Individual☒ AreaLease Name

Blackland

Well Number

9

## North Quadrant Reporting Form

		Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	2004	Vacuum	95	23,627	-----	-----	-----
May	2004	Vacuum	95	23,974	-----	-----	-----
Jun	2004	Vacuum	95	23,704	-----	-----	-----
Jul	2004	Vacuum	95	24,116	-----	-----	-----
Aug	2004	Vacuum	95	23,847	-----	-----	-----
Sep	2004	Vacuum	95	23,106	-----	-----	-----
Oct	2004	Vacuum	95	23,842	-----	-----	-----
Nov	2004	Vacuum	95	23,206	-----	-----	-----
Dec	2004	Vacuum	95	23,891	-----	-----	-----
Jan	2005	Vacuum	95	23,246	-----	-----	-----
Feb	2005	Vacuum	95	22,361	-----	-----	-----
Mar	2005	Vacuum	95	23,872	-----	-----	-----

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Signature:

Date Signed:

John T. Hull-Owner/Operator

*John T. Hull*

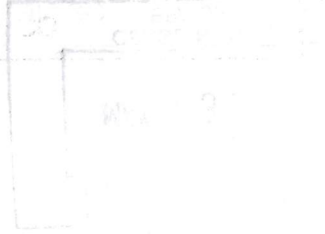
5-6-05

7-7-05  
DS

IMAGING ROOM  
RECEIVED

2006 SEP 15 AM 8:34

0101110110



511



**Mechanical Integrity Test Results**

SCAN CODE: 28

**Casing or Annulus Pressure Test****Osage Nation / Environmental Protection Agency**

P.O. Box 1495

Pawhuska, OK 74056

Inspector: J. Andrew Yates Test Date: 10/06/2004 Test Time: 9:00 AM  
 Operator Representative: BOB PARKS Date Report Sent to Operator: \_\_\_\_\_

**General Well Data**

Operator: HULL OIL COMPANY - 107 Inventory Number: OS0922  
PO BOX 1268 API Well No.: 35-113-30317-00-00  
PAWHUSKA, OK 74056 Well Name/No.: 9  
 Location: NW 1 27N 7E 1650S - 990W  
 Phone: (918) 287-2339 Field name: \_\_\_\_\_  
 Injection Interval: 2547 - 2570 USDW Bot: 665 Well Type: EOR  
 Annulus Fluid Type: \_\_\_\_\_ Concentric Pkr: - Packer Depth: 2521 Casing: 5.500 in. Tubing: 2.375 in.

**Tubing and Annulus Pressure Test Results**

Type of MIT: Std. Annulus Pres. Test Test Reason: 5-year Test  
 Inj. Status: Y Inj. Rate: \_\_\_\_\_ bpd Tubular Lining: Standard Time Since Ann Filled: \_\_\_\_\_ Hrs

	<u>Time</u>	<u>Tubing Pressure</u>	<u>Time</u>	<u>Annulus Pressure</u>	<u>Flowback</u>	<u>Pressure</u>	<u>Volume</u>
Pre-Test:		<u>0</u>		<u>0</u> psi	High:	<u>195</u> psi	
Initial:	<u>9:00 AM</u>	<u>0</u>		<u>210</u> psi	Mid:	<u>100</u> psi	<u>250</u> ml
Mid:	<u>9:15 AM</u>	<u>0</u>		<u>200</u> psi	Low:	<u>10</u> psi	<u>650</u> ml
Final:	<u>9:30 AM</u>	<u>0</u>		<u>195</u> psi	End:	<u>0</u> psi	<u>250</u> ml
					Total Volume:		<u>1150</u> ml

**Casing/Tubing Annulus Monitoring**

Device: \_\_\_\_\_

Fluid Level: \_\_\_\_\_ Annulus Prs: \_\_\_\_\_ psi

Test Result: Failure *Push per Norma 11/23/04 RL*  
 Failure Type: \_\_\_\_\_  
 Failure Cause: \_\_\_\_\_  
 Repair Due: \_\_\_\_\_  
 Engineer Signature: Kent W. Sanborn  
 Review Date: 10/26/2004

**ADA Pressure Test - Required Test Pressure**

(Fluid Column Ht \* Specific Gravity \* .433 / N2 Wt Fac = Required Test Pressure)

	<u>Tubing</u>	<u>Annulus</u>
Depth to Top Perf/Open Hole:	_____ ft	_____ ft
Depth to Fluid Level:	_____ ft	_____ ft
Fluid Column Height:	_____ ft	_____ ft
Specific Gravity of Fluid:	<u>1.06</u>	<u>1.06</u>
Nitrogen Weight Factor:	_____	_____
Required Test Pressure:	_____ psi	_____ psi

**Additional Comments for Mechanical Integrity Test**

DEC 28 2004

Received Date: 11/5/2004



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency**P. O. Box 1495  
Pawhuska, OK 74056Inspector: J. Andrew Yates Dt/Tm Inspected: 10/7/2004 9:00:00 AM Duration: 0.8  
Operator Representative: BOB VADEN & JOHN PARKS Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_**General Well Data and Inspection Information**Operator: HULL OIL COMPANY Inventory No.: OS0922 API Well No. 35-113-30317-00-00  
PO BOX 1268 Well Name/No.: 9 Status: \_\_\_\_\_  
PAWHUSKA, OK 74056 Location: NW 1 27N 7E 990W - 1650S Well Type: EOR  
Phone: (918) 287-2339 Field Nm: \_\_\_\_\_ Lat/Lng: 36.85202, 96.507365 G**ROUTINE W/MIT INSPECTION**Purpose: Routine Periodic Responsible Company at Time of Inspection: HULL OIL COMPANY  
Inspect No.: ijay0428634726 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_**Pressures / Conditions**Date Last MIT: 10/6/2004 Test Result: \_\_\_\_\_ Casing: 5.500 in. Tubing: 2.375 in. USDW: 665 ft subsurfMonitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: Y  
Injecting?: Y

	Tubing	Annulus	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>-16</u>	<u>0</u>	Max Pressure: <u>697</u>
How Determined?:	<u>UIC</u>	<u>UIC</u>	Min Req Press: _____
Static Fluid Level:	_____	<u>0</u>	Max Rate: _____
How Determined?:	_____	<u>0</u>	
Injection Rate (bpd):	_____	How Rate Determined?	_____

**Comments**ACTIVE WELL, HELD PRESSURE -OK. (FLOW BACK  
QUESTIONABLE)Evaluation: Name: Ronald J. [Signature] Date: 10/18/04Inspection Results: 1 Follow-up: A Reason: SecViolation Code: None Frequency: NR

Received Date: 10/18/20

NOV 02 2004



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency****P. O. Box 1495  
Pawhuska, OK 74056**

Inspector: J. Andrew Yates Dt/Tm Inspected: 9/3/2004 1:00:00 PM Duration: 0.3  
Operator Representative: NONE. Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_

**General Well Data and Inspection Information**

Operator: HULL OIL COMPANY Inventory No.: OS0922 API Well No. 35-113-30317-00-00  
PO BOX 1268 Well Name/No.: 9 Status: \_\_\_\_\_  
PAWHUSKA, OK 74056 Location: NW 1 27N 7E 990W - 1650S Well Type: EOR  
Phone: (918) 287-2339 Field Nm: \_\_\_\_\_ Lat/Lng: 36.85202, 96.507365 G

**ROUTINE UIC INSPECTION**

Purpose: Routine Periodic Responsible Company at Time of Inspection: HULL OIL COMPANY  
Inspect No.: ijAY0425132178 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Pressures / Conditions**

Date Last MIT: 10/25/1999 Test Result: A Casing: 5.500 in. Tubing: 2.375 in. USDW: 665 ft subsurf

Monitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: Y  
Injecting?: Y

	Tubing	Annulus	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>-19</u>	<u>0</u>	Max Pressure: <u>697</u>
How Determined?:	<u>UIC</u>	<u>UIC</u>	Min Req Press: _____
Static Fluid Level:	_____	_____	Max Rate: _____
How Determined?:	_____	_____	
Injection Rate (bpd):	_____	_____	How Rate Determined? _____

**Comments**ACTIVE WELL.

Evaluation: Name: Russell J. Jones Date: 9/22/04

Inspection Results: 1 Follow-up: A Reason: See

Violation Code: None Frequency: NR

Received Date: 9/10/200

SEP 30 2004

9/23/04  
m

RECEIVED

RECEIVED

2004 SEP 28 AM 7:34



29

**United States Environmental Protection Agency**  
**Underground Injection Control Program**  
 1445 Ross Avenue  
 Dallas, TX 75202-2733

**Annual Disposal/Injection Well Monitoring Report**

**Operator:** HULL OIL CO  
 PO BOX 1268  
 PAWHUSKA OK 74056

**Owner:** DRUMMOND & HULL OIL CO  
 PO BOX 1268  
 PAWHUSKA OK 74056

**State:** OK **County:** OSAGE

**Inventory Number:** OS0922000

**Qtr Section:** NW **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S-0990W

**Well Activity**

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

**Type of Permit**

☒ Individual

☐ Area

**Lease Name**

Blackland

**Well Number**

9

**North Quadrant Reporting Form**

Month Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2003	Vacuum	95	23,206	-----	-----	-----
May 2003	Vacuum	95	23,976	-----	-----	-----
Jun 2003	Vacuum	95	23,203	-----	-----	-----
Jul 2003	Vacuum	95	23,986	-----	-----	-----
Aug 2003	Vacuum	95	23,847	-----	-----	-----
Sep 2003	Vacuum	95	24,002	-----	-----	-----
Oct 2003	Vacuum	95	24,012	-----	-----	-----
Nov 2003	Vacuum	95	23,372	-----	-----	-----
Dec 2003	Vacuum	95	23,946	-----	-----	-----
Jan 2004	Vacuum	95	23,729	-----	-----	-----
Feb 2004	Vacuum	95	22,607	-----	-----	-----
Mar 2004	Vacuum	95	24,107	-----	-----	-----

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

**Signature:**

**Date Signed:**

Owner/Operator

*John L Hull*

4-28-04

JUN 23 2004

VP

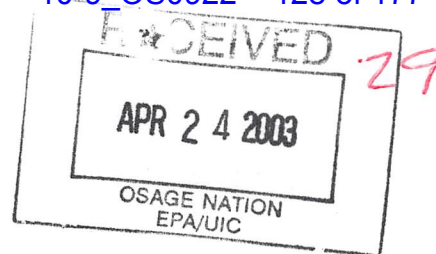
6-17-04  
DS





MAY 01 2003

United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733



## Annual Disposal/Injection Well Monitoring Report

**Operator:** HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

**Owner:** DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

**State:** OK **County:** OSAGE

**Inventory Number:** OS0922000

**Qtr Section:** NW **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S-0990W

**Well Activity**

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

**Type of Permit**

☒ Individual

☐ Area

**Lease Name**

Blackland

**Well Number**

9

## North Quadrant Reporting Form

Month Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 2002	Vacuum	95	23,020	-----		
May 2002	Vacuum	95	23,846	-----		
Jun 2002	Vacuum	95	23,058	-----		
Jul 2002	Vacuum	95	23,973	-----		
Aug 2002	Vacuum	95	23,995	-----		
Sep 2002	Vacuum	95	23,804	-----		
Oct 2002	Vacuum	95	23,111	-----		
Nov 2002	Vacuum	95	22,301	-----		
Dec 2002	Vacuum	95	23,044	-----		
Jan 2003	Vacuum	95	23,018	-----		
Feb 2003	Vacuum	95	21,604	-----		
Mar 2003	Vacuum	95	23,746	-----		

**CERTIFICATION**

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**Name and Official Title:**

**Signature:**

**Date Signed:**

John T. Hull - Owner/Operator

4-23-03

MAY 29 2003

5-12-03  
DS

IMAGING ROOM  
RECEIVED

2003 MAY 13 PM 1:43

LOW NO  
COPY W/ION

MAY 13 2003



**Well Inspection**

Scan Code: 30

**Osage Nation / Environmental Protection Agency****P. O. Box 1495  
Pawhuska, OK 74056**

Inspector: J. Andrew Yates Dt/Tm Inspected: 9/11/02 11:00:00 AM Duration: 0.2  
Operator Representative: NONE. Dt Scheduled: \_\_\_\_\_ Dt Op Notified \_\_\_\_\_

**General Well Data and Inspection Information**

Operator: HULL OIL COMPANY Inventory No.: OS0922 API Well No.: 35-113-30317-00-00  
PO BOX 1268 Well Name/No.: 9 Status: \_\_\_\_\_  
PAWHUSKA, OK 74056 Location: NW 1 27N 7E 990W - 1650S  
Phone: (918) 287-2339 Field Name: \_\_\_\_\_ Well Type: EOR

**ROUTINE UIC INSPECTION**

Purpose: Routine Periodic Responsible Company at Time of Inspection: HULL OIL COMPANY  
Inspect No.: iJAY0225648368 Notification Type: \_\_\_\_\_  
Incident No.: \_\_\_\_\_ Date Letter Sent to Owner: \_\_\_\_\_ Extension Date: \_\_\_\_\_  
Comply No.: \_\_\_\_\_ Date Remedy Required: \_\_\_\_\_ Date Passed: \_\_\_\_\_

**Pressures / Conditions**

Date Last MIT: 10/25/99 Test Result: A Casing: 5.500 in. Tubing: 2.375 in. USDW: 665 ft subsurf

Monitoring Device Elected: \_\_\_\_\_  
Monitoring Device: \_\_\_\_\_  
FLM Canister Pressure: \_\_\_\_\_  
Lease Status: Active  
Barrel Monitor Hooked Up?: \_\_\_\_\_  
Barrel Fluid Level (%): \_\_\_\_\_  
Flowline Hooked Up?: Y  
Injecting?: Y

	<u>Tubing</u>	<u>Annulus</u>	
Fittings:	<u>Y</u>	<u>Y</u>	<b>AUTHORIZED</b>
Actual Pressure:	<u>430</u>	<u>0</u>	Max Pressure: <u>697</u>
How Determined?:	<u>UIC</u>	<u>UIC</u>	Min Req Press: _____
Static Fluid Level:	_____	_____	Max Rate: _____
How Determined?:	_____	_____	
Injection Rate (bpd):	_____	_____	How Rate Determined? _____

**Comments**ACTIVE WELL.

9/11/02  
*[Signature]*

Evaluation: Name: *[Signature]* Date: 9/19/02

Inspection Results: 1 Follow-up: A Reason: Sec

Violation Code: None Frequency: NR

9/23/02  
Received Date: 9/17/02

IMAGING ROOM  
RECEIVED

2002 OCT 10 AM 11:27



Test Reason: WorkoverCompany: HULL OIL COAddress: P.O. BOX 1268PAWHUSKA, OK 74056Phone: (918) 287-2339Well Name/Number: 9Location: NW/4; Sec. 1; T 27N; R 7EWell Type: Enhanced RecoveryCasing: 5.50 inches, Tubing: 2.37 inchesInjection Interval: 2547-2570 feetPacker Depth: 2521 feet USDW: 665 feetMechanical Integrity Test ResultsResults: PASS

Comments:

Kent Sanborn

Engineer

11/1/99

Date

I. NO SIGNIFICANT FLUID MOVEMENT INTO USDW THROUGH CHANNELS ADJACENT TO THE WELLBORE

Technical Review: Pass How Determined: Cement Records

II. NO SIGNIFICANT LEAK IN CASING, TUBING, OR PACKER

(A) TUBING-PACKER PRESSURE TESTInjecting: Yes Pressure: Tubing: 280 psi Casing: 390 psi(B) CASING-TUBING ANNULUS PRESSURE TESTInjection Rate: \_\_\_\_\_ bpd Time Since Annulus Filled: LAST TESTAnnulus Fluid Type: FW

	<u>Tubing</u>	<u>Annulus</u>		<u>Flowback</u>	
<u>Time</u>	<u>Pressure</u>	<u>Pressure</u>			
<u>10:15 A.M.</u>	<u>280</u> psi	<u>390</u> psi	High Pressure	<u>390</u> psi	
<u>10:30 A.M.</u>	<u>280</u> psi	<u>390</u> psi	Mid Pressure	<u>200</u> psi	Volume <u>400</u> ml
<u>10:45 A.M.</u>	<u>280</u> psi	<u>390</u> psi	Low Pressure	<u>100</u> psi	Volume <u>200</u> ml
			: End Pressure	<u>0</u> psi	Volume <u>500</u> ml
				Total Volume	<u>1100</u> ml

(C) ADA PRESSURE TEST

(Fluid Column Height \* Specific Gravity \* .433/N2 Weight Factor = Required Test Pressure)

<u>Tubing/Packer</u>		<u>Tubing/Casing Annulus</u>	
Depth to Top Perf/Open Hole	_____ ft	Depth to Top Perf/Open Hole	_____ ft
Depth to Fluid Level	_____ ft	Depth to Fluid Level	_____ ft
Fluid Column Height	_____ ft	Fluid Column Height	_____ ft
Specific Gravity of Fluid	_____	Specific Gravity of Fluid	_____
Nitrogen Weight Factor	_____	Nitrogen Weight Factor	_____
Required Test Pressure	_____ psi	Required Test Pressure	_____ psi
<u>Time</u>	<u>Pressure</u>	<u>Time</u>	<u>Pressure</u>
_____	_____ psi	_____	_____ psi
_____	_____ psi	_____	_____ psi
_____	_____ psi	_____	_____ psi

(D) CASING-TUBING ANNULUS MONITORING


System: \_\_\_\_\_ ; Fluid level above wellhead: \_\_\_\_\_

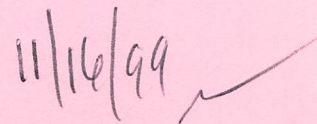
Annulus Pressure: \_\_\_\_\_ psi

III. REMARKS: WELL WAS SQUEEZED BY 300P.S.I. COMPANY. TUBING IS PLASTIC LINED AND FLOWBACK WAS WATER.

Repairs: Casing Repair

BIA required sign at well.

Date: 10/25/99 UIC Office Witness: Gary ScottCompany Representative: LEE REED
  
 OCT 16 2002



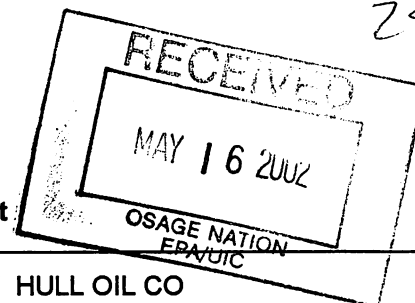


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2002 OCT -8 PM 1:55



**United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733**



**Annual Disposal/Injection Well Monitoring Report**

**Operator:** HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

**Owner:** HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

**State:** OK **County:** OSAGE

**Inventory Number:** OS0922000

**Qtr Section:** NW **Section:** 01

**Township:** 27N

**Range:** 07E

**Surface Location:** 1650S-0990W

**Well Activity**

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

**Type of Permit**

☒ Individual

☐ Area

**Lease Name**

Blackland

**Well Number**

9

**North Quadrant Reporting Form**

Month	Year	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
		Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	2001	Vacuum	95	24,106	-----	-----	-----
May	2001	Vacuum	95	24,392	-----	-----	-----
Jun	2001	Vacuum	95	24,068	-----	-----	-----
Jul	2001	Vacuum	95	24,361	-----	-----	-----
Aug	2001	Vacuum	95	24,389	-----	-----	-----
Sep	2001	Vacuum	95	23,586	-----	-----	-----
Oct	2001	Vacuum	130	24,370	-----	-----	-----
Nov	2001	Vacuum	130	23,544	-----	-----	-----
Dec	2001	Vacuum	130	24,269	-----	-----	-----
Jan	2002	Vacuum	130	23,602	-----	-----	-----
Feb	2002	Vacuum	130	16,800	-----	-----	-----
Mar	2002	Vacuum	130	23,862	-----	-----	-----

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:**

**Signature:**

**Date Signed:**

John T. Hull  
Owner/Operator

4-17-02

5-23-02  
DS





United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

29

APR 23 2001

## Annual Disposal/Injection Well Monitoring Report

**Operator:** HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

**Owner:** DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE

Inventory Number: OS0922000

Qtr Section: NW Section: 01

Township: 27N

Range: 07E

Surface Location: 1650S-0990W

Well Activity

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

Type of Permit☒ Individual☐ AreaLease Name

Blackland Lease

Well Number

9

## North Quadrant Reporting Form

		Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	2000	Vacuum	95	24,106	-----	-----	-----
May	2000	Vacuum	95	24,396	-----	-----	-----
Jun	2000	Vacuum	95	23,603	-----	-----	-----
Jul	2000	Vacuum	95	24,207	-----	-----	-----
Aug	2000	Vacuum	95	24,367	-----	-----	-----
Sep	2000	Vacuum	95	24,201	-----	-----	-----
Oct	2000	Vacuum	95	24,334	-----	-----	-----
Nov	2000	Vacuum	95	23,583	-----	-----	-----
Dec	2000	Vacuum	95	24,369	-----	-----	-----
Jan	2001	Vacuum	95	23,983	-----	-----	-----
Feb	2001	Vacuum	95	22,406	-----	-----	-----
Mar	2001	Vacuum	95	24,031	-----	-----	-----

**CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

**Name and Official Title:****Signature:****Date Signed:**

John T. Hull - owner/operator



4-13-01

06-05-01  
DS

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APR 28 2001



## ENVIRONMENTAL PROTECTION AGENCY

SCAN CODE: 30

## REGION 6, UIC INSPECTION REPORT

UIC Program, P.O. Box 1495, Pawhuska, Oklahoma 74056

Inspection Reason: ROUTINE Inventory No.: OS0922  
Operator: Name: HULL OIL CO  
Address: P.O. BOX 1268  
PAWHUSKA, OK 74056  
Phone: (918) 287-2339  
Company Contact: TOMMY HULL

WELL INFORMATION:

Well Name and Number: 9  
Location: 0990 ft F W L, 1650 ft F S L; NW /4, Sec. 1, T 27 N, R 7 E  
Well Type: Enhanced Recovery  
Authorization: Rule Authorization to Inject Date: \_\_\_\_\_  
Authorized: Pressure: 697 psi Rate \_\_\_\_\_ BPM  
Long-String Casing Diameter: 5.50 inches Tubing diameter 2.375 inches  
Base of Underground Sources of Drinking Water: 665 Feet Subsurface  
Date of Latest MIT: 10/25/99 Latest MIT Results: Pass

CONDITIONS ON INSPECTION DATE:

Lease Status: ACTIVE  
Well Status: Hooked up for injection? YES Injecting? YES  
Required Fittings: Tubing? YES Annulus? YES  
Tubing Pressure: VAC psi; How Determined? GAUGE.  
Annulus Pressure: 0 psi; How Determined? GAUGE.  
Injection Rate: 850 bpd; How Determined? / PUMPER.  
Static Fluid Level: \_\_\_\_\_  
Tubing: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Annulus: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Samples Taken? NO Photographs Taken? NO

Observations: ACTIVE WELL EQUIPPED FOR OPERATION,, CSG. HEAD W/ TBG.  
INJECTION LINE CONNECTED TO WELL.  
BIA required sign at well.

Inspection Date: 10/18/00 Time: Arrived: 1:45PM Departed: 2:00PM

Inspector: ANDREW YATES

Individual Contacted: FRANK PAYNE Title: PUMPER.

Evaluation: Name: Carl E. Vith Date: 10/26/00  
Inspection Results: 1 Follow-up: A Frequency: NR  
Violation Code: None Reason: Sec  
Enforcement Letter Recommended: No

10/27/00 Report Received Date: 10/25/00







United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

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APR 24 2000

OSAGE NATION  
EPA/IIC

## Annual Disposal/Injection Well Monitoring Report

Operator: HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE

Inventory Number: OS0922000

Qtr Section: NW Section: 01

Township: 27N

Range: 07E

Surface Location: 1650S-0990W

Well ActivityType of PermitLease NameWell Number

ENHANCED RECOVERY

☒ Individual

9

No. of Wells: \_\_\_\_\_

☐ Area

Blackland

## North Quadrant Reporting Form

		Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr	1999	Vacuum	95	23,261	-----	-----	-----
May	1999	Vacuum	95	23,996	-----	-----	-----
Jun	1999	Vacuum	95	24,001	-----	-----	-----
Jul	1999	Vacuum	95	23,990	-----	-----	-----
Aug	1999	Vacuum	95	24,262	-----	-----	-----
Sep	1999	Vacuum	95	23,504	-----	-----	-----
Oct	1999	Vacuum	95	24,280	-----	-----	-----
Nov	1999	Vacuum	95	23,396	-----	-----	-----
Dec	1999	Vacuum	95	24,070	-----	-----	-----
Jan	2000	Vacuum	95	24,107	-----	-----	-----
Feb	2000	Vacuum	95	22,442	-----	-----	-----
Mar	2000	Vacuum	95	24,387	-----	-----	-----

## CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

## Name and Official Title:

John T. Hull, Operator

## Signature:

John T. Hull

## Date Signed:

4-18-00

05-12-00  
AS

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ENVIRONMENTAL PROTECTION AGENCY  
REGION 6, UIC INSPECTION REPORT

SCAN CODE: 30

UIC Program, P.O. Box 1495, Pawhuska, Oklahoma 74056

Inspection Reason: ROUTINE Inventory No.: OS0922  
Operator: Name: HULL OIL CO  
Address: P.O. BOX 1268  
PAWHUSKA, OK 74056  
Phone: (918) 287-2339  
Individual Contacted: TOMMY HULL Title: \_\_\_\_\_

WELL INFORMATION:

Well Name and Number: 9  
Location: 0990 ft F W L, 1650 ft F S L; NW /4, Sec. 1, T 27 N, R 7 E  
Well Type: Enhanced Recovery  
Authorization: Rule Authorization to Inject Date: \_\_\_\_\_  
Authorized: Pressure: 697 psi Rate \_\_\_\_\_ BPM  
Long-String Casing Diameter: 5.50 inches Tubing diameter 2.375 inches  
Base of Underground Sources of Drinking Water: 665 Feet Subsurface  
Date of Latest MIT: 07/13/98 Latest MIT Results: Passed  
10/25/99 Passed

CONDITIONS ON INSPECTION DATE:

Lease Status: ACTIVE  
Well Status: Hooked up for injection? YES Injecting? YES  
Required Fittings: Tubing? YES Annulus? YES  
Tubing Pressure: 310 psi; How Determined? U.I.C. GAUGE  
Annulus Pressure: 160 psi; How Determined? U.I.C. GAUGE  
Injection Rate: \_\_\_\_\_ bpd; How Determined? \_\_\_\_\_  
Static Fluid Level: \_\_\_\_\_  
Tubing: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Annulus: 0 feet subsurface; How Determined? VISUAL  
Samples Taken? NO Photographs Taken? NO

Observations: WELL IS ACTIVE AND WAS TAKING FLUID AT TIME OF INSPECTION.  
TUBING IS CONNECTED TO INJECTION LINE WITH A 2" HIGH PRESSURE  
HOSE. ANNULUS HAD 160# FLUID PRESSURE TO SURFACE, BLED FLUID  
PRESSURE DOWN BUT WOULD PRESSURE BACK UP WITHIN 5 MINUTES.  
BIA required sign at well.

Inspection Date: 10/4/99 Time: Arrived: 11:30 A.M. Departed: 11:55 A.M.

Inspector: GARY SCOTT

Evaluation: Name: Carl E. Wilts Date: 10/14/99  
Inspection Results: 4 Follow-up: C Frequency: NR  
Violation Code: G Reason: See  
Enforcement Letter Recommended: Yes

*Send MIT notice!*  
*MIT Passed on 10/25/99*

*10/21/99*

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United States Environmental Protection Agency  
Underground Injection Control Program  
1445 Ross Avenue  
Dallas, TX 75202-2733

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APR 22 1999

OSAGE COUNTY  
EPA/UIC

## Annual Disposal/Injection Well Monitoring Report

Operator: HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE

Inventory Number: OS0922000

Qtr Section: NW

Section: 01

Township: 27N

Range: 07E

Surface Location: 1650S-0990W

Well Activity

ENHANCED RECOVERY

No. of Wells: \_\_\_\_\_

Type of Permit☒ Individual☐ AreaLease Name

Blackland

Well Number

9

## North Quadrant Reporting Form

		Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month	Year	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Mar 98	<del>Apr</del> 1998	Vacuum	95	23,863	-----	-----	-----
Apr 98	<del>May</del> 1998	Vacuum	95	24,002	-----	-----	-----
May 98	<del>Jun</del> 1998	Vacuum	95	24,362	-----	-----	-----
Jun 98	<del>Jul</del> 1998	Vacuum	95	23,983	-----	-----	-----
July	<del>Aug</del> 1998	Vacuum	95	24,003	-----	-----	-----
Aug 98	<del>Sep</del> 1998	Vacuum	95	23,963	-----	-----	-----
Sep 98	<del>Oct</del> 1998	Vacuum	95	24,019	-----	-----	-----
Oct 98	<del>Nov</del> 1998	Vacuum	95	24,112	-----	-----	-----
Nov 98	<del>Dec</del> 1998	Vacuum	95	24,001	-----	-----	-----
Dec 98	<del>Jan</del> 1999	Vacuum	95	24,263	-----	-----	-----
Jan 99	<del>Feb</del> 1999	Vacuum	95	24,311	-----	-----	-----
Feb 99	<del>Mar</del> 1999	Vacuum	95	22,016	-----	-----	-----

## CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title:

Signature:

Date Signed:

John T. Hull - Operator

John T. Hull

4-19-99

5-20-99  
DS

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2000 DEC 22 AM 10: 07



Company: HULL OIL COAddress: P.O. BOX 1268PAWHUSKA, OK 74056Phone: (918) 287-2339Well Name/Number: 9Location: NW/4; Sec. 1; T 27N; R 7EWell Type: Enhanced RecoveryCasing: 5.50 inches, Tubing: 2.37 inches

Injection Interval: \_\_\_\_\_ feet

Packer Depth: 2521 feet USDW: 665 feet**Mechanical Integrity Test Results**Results: PASS

Comments:

Rick Davis

Engineer

7/16/98

Date

**I. NO SIGNIFICANT FLUID MOVEMENT INTO USDW THROUGH CHANNELS ADJACENT TO THE WELLBORE**

Technical Review: \_\_\_\_\_ How Determined: \_\_\_\_\_

**II. NO SIGNIFICANT LEAK IN CASING, TUBING, OR PACKER****(A) TUBING-PACKER PRESSURE TEST**Injecting: No Pressure: \_\_\_\_\_ Tubing: VAC psi Casing: 242 psi**(B) CASING-TUBING ANNULUS PRESSURE TEST**Injection Rate: \_\_\_\_\_ bpd Time Since Annulus Filled: LAST TESTAnnulus Fluid Type: FW

Time	Tubing Pressure	Annulus Pressure	Flowback
<u>10:10 A.M.</u>	<u>VAC</u> psi	<u>242</u> psi	High Pressure <u>240</u> psi
<u>10:25 A.M.</u>	<u>VAC</u> psi	<u>240</u> psi	Mid Pressure <u>120</u> psi Volume <u>100</u> ml
<u>10:40 A.M.</u>	<u>VAC</u> psi	<u>240</u> psi	Low Pressure <u>60</u> psi Volume <u>100</u> ml
			: End Pressure <u>0</u> psi Volume <u>350</u> ml
			Total Volume <u>550</u> ml

**(C) ADA PRESSURE TEST**

(Fluid Colum Height \* Specific Gravity \* .433/N2 Weight Factor = Required Test Pressure)

Tubing/Packer		Tubing/Casing Annulus
Depth to Top Perf/Open Hole _____ ft		: Depth to Top Perf/Open Hole _____ ft
Depth to Fluid Level _____ ft		: Depth to Fluid Level _____ ft
Fluid Column Height _____ ft		: Fluid Column Height _____ ft
Specific Gravity of Fluid _____		: Specific Gravity of Fluid _____
Nitrogen Weight Factor _____		: Nitrogen Weight Factor _____
Required Test Pressure _____ psi		: Required Test Pressure _____ psi
Time _____ Pressure _____ psi	:	Time _____ Pressure _____ psi
_____ psi	:	_____ psi
_____ psi	:	_____ psi
_____ psi	:	_____ psi

**(D) CASING-TUBING ANNULUS MONITORING**

System: \_\_\_\_\_; Fluid level above wellhead: \_\_\_\_\_

Annulus Pressure: \_\_\_\_\_ psi

**III. REMARKS: NEW SEAL TITE TUBING WAS RAN IN WELL AND 300PSI CO. PATCHED HOLE IN CASING. FLOWBACK WAS WATER.**BIA required sign at well.Date: 7/13/98 UIC Office Witness: Gary ScottCompany Representative: LEE REED

7/21/98



29

United States Environmental Protection Agency  
Washington, D.C. 20480

ANNUAL DISPOSAL / INJECTION WELL  
MONITORING REPORT

Operator: HULL OIL CO Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268 PO BOX 1268  
PAWHUSKA OK 74056 PAWHUSKA OK 74056

State: OK County: OSAGE Inventory No: 0922  
Qtr.Section: NW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0990W

Well Activity Type of Permit Lease Name Well Number  
.....  
Enhanced Recovery ☒ Individual Blackland 9  
No. of Wells: \_\_\_\_ | Area

==== North Quadrant Reporting Form ====

Month Yr	Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Mar 1997	Vacuum	95	33,590			
Apr 1997	Vacuum	95	29,556			
May 1997	Vacuum	95	27,578			
Jun 1997	Vacuum	95	24,468			
Jul 1997	Vacuum	95	24,382			
Aug 1997	Vacuum	95	24,401			
Sep 1997	Vacuum	95	23,896			
Oct 1997	Vacuum	95	24,211			
Nov 1997	Vacuum	95	23,808			
Dec 1997	Vacuum	95	24,372			
Jan 1998	Vacuum	95	24,293			
Feb 1998	Vacuum	95	22,106			

C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title Signature Date Signed  
John T. Hull-Operator John T. Hull 4-22-98

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APR 29 1998

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EPA/UIC



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98 JUN 15 PM 1:05

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26



ENVIRONMENTAL PROTECTION AGENCY  
REGION 6, UIC INSPECTION REPORT

SCAN CODE: 30

UIC Program, P.O. Box 1495, Pawhuska, Oklahoma 74056

Inspection Reason: ROUTINE Inventory No.: OS0922  
Operator: Name: HULL OIL CO  
Address: P.O. BOX 1268  
PAWHUSKA, OK 74056  
Phone: (918) 287-2339  
Individual Contacted: NONE Title: \_\_\_\_\_

WELL INFORMATION:

Well Name and Number: 9  
Location: 0990 ft F W L, 1650 ft F S L; NW /4, Sec. 1, T 27 N, R 7 E  
Well Type: Enhanced Recovery  
Authorization: Rule Authorization to Inject Date: \_\_\_\_\_  
Authorized: Pressure: 697 psi Rate \_\_\_\_\_ BPM  
Long-String Casing Diameter: 5.50 inches Tubing diameter 2.88 inches  
Base of Underground Sources of Drinking Water: 665 Feet Subsurface

CONDITIONS ON INSPECTION DATE:

Lease Status: ACTIVE  
Well Status: Hooked up for injection? YES Injecting? YES  
Required Fittings: Tubing? YES Annulus? YES  
Tubing Pressure: 100 psi; How Determined? U.I.C. GAUGE  
Annulus Pressure: 100 psi; How Determined? U.I.C. GAUGE  
Injection Rate: \_\_\_\_\_ bpd; How Determined? \_\_\_\_\_  
Static Fluid Level: \_\_\_\_\_  
Tubing: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Annulus: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Samples Taken? NO Photographs Taken? NO

Observations: WELL IS ACTIVE AND WAS TAKING FLUID AT TIME OF INSPECTION.  
ANNULUS HAD 100# OF PRESSURE WITH FLUID TO SURFACE. SEEMS TO  
HAVE POSSIBLE TUBING OR PACKER FAILURE. TUBING IS CONNECTED TO  
A 2" STEEL INJECTION LINE WITH A 2" HIGH PRESSURE HOSE.  
BIA required sign at well.

Inspection Date: 3/24/98 Time: Arrived: 12:20 P.M. Departed: 12:35 P.M.

Inspector: GARY SCOTT

*4/7/98*

Evaluation: Name: *Ronald J. Scott* Date: 4-3-98  
Inspection Results: 4 Follow-up: C Frequency: NR  
Violation Code: G Reason: See  
Enforcement Letter Recommended: Yes



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United States Environmental Protection Agency  
Washington, D.C. 20480

# ANNUAL DISPOSAL / INJECTION WELL MONITORING REPORT

Operator: HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

29

State: OK County: OSAGE Inventory No: 0922  
Qtr. Section: NW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0990W

Well Activity Type of Permit  
.....  
Enhanced Recovery ☒ Individual  
No. of Wells: \_\_\_\_ ☐ Area

Lease Name

Blackland

Well Number

9

==== North Quadrant Reporting Form ====

Am 5-14

Injection  
Pressure

Total Volume  
Injected

Tubing-Casing Annulus  
Pressure (Optional Monitor)

Month Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 1996	Vacuum	95	33,464			
May 1996	Vacuum	95	33,401			
Jun 1996	Vacuum	95	33,379			
Jul 1996	Vacuum	95	33,229			
Aug 1996	Vacuum	95	33,575			
Sep 1996	Vacuum	95	33,492			
Oct 1996	Vacuum	95	33,502			
Nov 1996	Vacuum	95	33,552			
Dec 1996	Vacuum	95	33,501			
Jan 1997	Vacuum	95	33,580			
Feb 1997	Vacuum	95	30,502			
Mar 1997	Vacuum	95	33,590			

## CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

Signature

Date Signed

John T. Hull, General Partner

*John T. Hull*

4-29-97

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MAY -1 1997

OSAGE NATION  
EPA/UIC



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ENVIRONMENTAL PROTECTION AGENCY  
REGION 6, UIC INSPECTION REPORT

UIC Program, P. O. Box 1495, Pawhuska, Oklahoma 74056 (918-287-4041)

30

Inspection Reason: \_\_\_\_\_

Inventory No.: 050922Operator: Name: Drummond Oil Co.Address: P.O. Box 1268 PAWTHUSKA, OK 74056Individual Contacted: NONE

Title: \_\_\_\_\_

Well Information:Well Name and No. #9Location: 1650' F(N/S)L, 990' F(E/W)L, NW/4, Sec. 1, T 27, R 7Well Type: SWD/ER/DUAL/OTHERAuthorization: Rule/Permit/NoneAuthorization to Inject: Yes/No

Authorized: Pressure: \_\_\_\_\_ psi Rate: \_\_\_\_\_ BPM

Long String Casing Diameter: 5 1/2 inches Tubing Diameter: 2 3/8 inchesBase of Underground Sources of Drinking Water: 665 feet subsurfaceConditions on Inspection Date:Lease Status: Active/InactiveWell Status: Hooked up for injection? Yes/No Injecting? Yes/NoRequired Fittings: Tubing? Yes/No Annulus? Yes/No Not ApplicableInjection Pressure: VAC psi; How Determined: gaugeAnnulus Pressure: 945 blow -> 0 psi; How Determined: opened valveInjection Rate: - bpd; How Determined: -Static Fluid Level:

Tubing: \_\_\_\_\_ feet subsurface; How Determined: \_\_\_\_\_

Annulus: \_\_\_\_\_ feet subsurface; How Determined: \_\_\_\_\_

Samples Taken: \_\_\_\_\_ Photographs Taken \_\_\_\_\_

Observations:S.W. pump shut off JUST as UIC was installed. TBG  
went immediately ON VAC.RECEIVED  
US EPA DALLAS, TEXAS  
1996 MAY -8 1 P : 15  
AR/LA/OK NPDES SEC.  
GEN-NOInspection Date 4-24-96Time: Arrived 11:30AM Departed 11:40AMInspector: KW Sambar

\*\*\*\*\*

Evaluation: Name: Ronald J. Van Zyl Date: 5-16-96Inspection Results 1 Follow-up A Frequency NRViolation Code None Reason See



IMAGING ROOM  
RECEIVED

Inventory No.: 00925

Inspection Reason:

Operator Name: DUMMOND, H. 11:20:21 PM 15 JUL 96  
Address: P.O. Box 1568 Pawhuska, OK 74056  
Individual Contacted: Name: Title:

Well Information:

Well Name and No.: #1  
Location: 1520' (N 21° E) 1/4, Sec. 1, T. 27, R. 7  
Well Type: SWD/OTHER  
Authorization: None  
Authorized: Pressure: psi Rate: BPM  
Long String Casing Diameter: 2 1/2 inches  
Base of Underground Sources of Drinking Water: 662 feet suburface  
Tubing Diameter: 2 3/8 inches

Conditions on Inspection Date:

Lease Status: Active/Inactive  
Well Status: Hooked up for Injection? Yes No  
Required fittings: Tubing? Yes No Annulus? Yes No  
Injection Pressure: VAC psi; How Determined: Page  
Annulus Pressure: gas blow 70 psi; How Determined: Opened Valve  
Injection Rate: 0 bbl; How Determined: 1  
Static Fluid Level:  
Tubing: feet suburface; How Determined:  
Annulus: feet suburface; How Determined:  
Samples Taken: Photographs Taken  
Operations:

2 in. pump shut off just as VIC was installed. TBC  
went immediately on vac.

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10-9-8 P 1:15

10-9-8 P 1:15

Inspection Date: 11-24-96 Time: Arrived 11:30AM Departed 11:40AM

Inspector: K. J. Sams

Evaluation: Name: *[Signature]*  
Inspection Results: Follow-up: A Frequency: 1/2  
Violation Code: 1402 Reason: 1/2



29

United States Environmental Protection Agency  
Washington, D.C. 20480  
ANNUAL DISPOSAL / INJECTION WELL  
MONITORING REPORT

Operator: HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE

Inventory No: 0922

Qtr.Section: NW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0990W

Well Activity Type of Permit

Lease Name

Well Number

Enhanced Recovery ☒ Individual

Blackland

9

No. of Wells: \_\_\_\_ |\_\_ Area

==== North Quadrant Reporting Form ====

		Injection Pressure		Total Volume Injected	Tubing-Casing Annulus Pressure(Optional Monitor)	
Month	Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG Max PSIG
Apr	1995	Vacuum	95	23,871		
May	1995	Vacuum	95	24,101		
Jun	1995	Vacuum	95	23,886		
Jul	1995	Vacuum	95	24,003		
Aug	1995	Vacuum	95	23,969		
Sep	1995	Vacuum	95	24,011		
Oct	1995	Vacuum	95	24,392		
Nov	1995	Vacuum	95	23,462		
Dec	1995	Vacuum	95	23,887		
Jan	1996	Vacuum	95	27,643		
Feb	1996	Vacuum	95	30,246		
Mar	1996	Vacuum	95	33,580		

C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

Signature

Date Signed

John T. Hull, Owner/Operator

*John T. Hull*

4-23-96

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APR 24 1996

OSAGE NATURAL  
EPA/UIC



(30)

ENVIRONMENTAL PROTECTION AGENCY  
REGION 6, UIC INSPECTION REPORT

UIC Program, P.O. Box 1495, Pawhuska, Oklahoma 74056

Inspection Reason: ROUTINE Inventory No.: OS0922  
Operator: Name: DRUMMOND & HULL OIL CO.  
Address: P.O. BOX 1268 PAWHUSKA, OK 74056  
Individual Contacted: \_\_\_\_\_ Title: \_\_\_\_\_

WELL INFORMATION:

Well Name and Number: BLACKLAND #9  
Location: 1650 ft F S L, 0990 ft F W L; NW /4, Sec. 1, T 27N, R 7E  
Well Type: ENHANCED RECOVERY  
Authorization: RULE Authorization to Inject Date: \_\_\_\_\_  
Authorized: Pressure: \_\_\_\_\_ psi Rate: \_\_\_\_\_ BPM  
Long-String Casing Diameter: 5.5 inches Tubing Diameter: 2.375 inches  
Base of Underground Sources of Drinking Water: 665 Feet Subsurface

CONDITIONS ON INSPECTION DATE:

Lease Status: ACTIVE  
Well Status: Hooked up for injection? YES Injecting? YES  
Required Fittings: Tubing? YES Annulus? YES  
Tubing Pressure: VAC psi; How Determined? UIC GAUGE  
Annulus Pressure: ZERO psi; How Determined? OPENED VALVE  
Injection Rate: N/A bpd; How Determined? \_\_\_\_\_

Static Fluid Level:

Tubing: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Annulus: \_\_\_\_\_ feet subsurface; How Determined? \_\_\_\_\_  
Samples Taken? NO Photographs Taken? YES

Observations: ACTIVE WELL. BACKSIDE HAD SLIGHT VAC THAT BLED TO ZERO WITH NO EFFECT ON INJECTION.

Inspection Date: 10/24/95 Time: Arrived: 12:50PM Departed: 1:00PM

Inspector: Beverly Lacrone

Evaluation: Name: Ronald J. Condy 11-3-95  
Inspection Results: 1 Follow-Up: A Frequency: NR  
Violation Code: None Reason: See



## MECHANICAL INTEGRITY TEST

Inventory No.: **OS0922**

Company: HULL OIL CO.  
 Address: P.O. BOX 1268  
PAWHUSKA, OK. 74056  
 Well Name/Number: BLK.LAND # 9  
 Location: NW/4; Sec. 1; T 27N; R 7E  
 Well Type: Enhanced Recovery  
 Casing: 5.50 inch, Tubing: 2.38 inch  
 Injection Interval: 2547-2570 feet  
 Packer Depth: 2531 feet  
 USDW: 665 feet

## Mechanical Integrity Test Results

X Pass        Fail

Comments: \_\_\_\_\_

KW Samson  
 Engineer

8-1-95  
 Date

**I. NO SIGNIFICANT FLUID MOVEMENT INTO USDW THROUGH CHANNELS ADJACENT TO THE WELLBORE**

Technical Review: Pass How Determined: Cement Records

**II. NO SIGNIFICANT LEAK IN CASING, TUBING, OR PACKER**

**(A) TUBING-PACKER PRESSURE TEST**

Injecting: Yes Pressure: Tubing: VAC psi Casing: 0 psi

**(B) CASING-TUBING ANNULUS PRESSURE TEST**

Injection Rate: 800 bpd Time Since Annulus Filled: LAST MIT  
 Annulus Fluid Type: S.WTR.

Time	Tubing Pressure	Annulus Pressure	Flowback
<u>2:35PM</u>	<u>VAC</u> psi	<u>210</u> psi	High Pressure <u>210</u> psi
<u>2:50PM</u>	<u>VAC</u> psi	<u>210</u> psi	Mid Pressure <u>110</u> psi Volume <u>3</u> Qts
<u>3:05PM</u>	<u>VAC</u> psi	<u>210</u> psi	Low Pressure <u>25</u> psi Volume <u>3</u> Qts
			: End Pressure <u>0</u> psi Volume <u>1</u> Qts
			Total Volume <u>7</u> Qts

**(C) ADA PRESSURE TEST**

(Fluid Column Height \* Specific Gravity \* .433/N2 Weight Fact = Required Test Pressure)

Tubing/Packer

Tubing/Casing Annulus

Tubing/Packer	Tubing/Casing Annulus
Depth to Top Perf/Open Hole _____ ft	Depth to Top Perf/Open Hole _____ ft
Depth to Fluid Level _____ ft	Depth to Fluid Level _____ ft
Fluid Column Height _____ ft	Fluid Column Height _____ ft
Specific Gravity of Fluid _____	Specific Gravity of Fluid _____
Nitrogen Weight Factor _____	Nitrogen Weight Factor _____
Required Test Pressure _____ psi	Required Test Pressure _____ psi

Time	Pressure	Time	Pressure
_____	_____ psi	_____	_____ psi
_____	_____ psi	_____	_____ psi
_____	_____ psi	_____	_____ psi

**(D) CASING-TUBING ANNULUS MONITORING**

System: \_\_\_\_\_ ; Fluid level above wellhead: \_\_\_\_\_  
 Annulus Pressure: \_\_\_\_\_ psi

**III. REMARKS PLASTIC LINED TBG.**

Date: 7/28/95 UIC Office Witness: ANDREW YATES  
 Company Representative: JOEY BLYTHE

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6 W-S



United States Environmental Protection Agency  
Washington, D.C. 20480  
ANNUAL DISPOSAL/INJECTION WELL  
MONITORING REPORT

(29)

Operator: HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE Inventory No: 0922  
Qtr. Section: NW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0990W

Well Activity Type of Permit  
.....  
Enhanced Recovery ☒ Individual  
No. of Wells: \_\_\_\_ | Area

Lease Name Well Number  
.....  
Blackland 9

==== North Quadrant Reporting Form ====

		Injection Pressure		Total Volume Injected	Tubing-Casing Annulus Pressure(Optional Monitor)	
Month Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 1994	Vacuum	95	24,307			
May 1994	Vacuum	95	24,398			
Jun 1994	Vacuum	95	24,406			
Jul 1994	Vacuum	95	24,110			
Aug 1994	Vacuum	95	24,362			
Sep 1994	Vacuum	95	24,201			
Oct 1994	Vacuum	95	24,311			
Nov 1994	Vacuum	95	24,107			
Dec 1994	Vacuum	95	24,002			
Jan 1995	Vacuum	95	24,396			
Feb 1995	Vacuum	95	23,947			
Mar 1995	Vacuum	95	24,401			

C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

Signature

Date Signed

John T. Hull, General Partner

*John T. Hull*

4-27-95



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APR 27 1995

OSAGE NATION  
EPA/UIC



ENVIRONMENTAL PROTECTION AGENCY  
REGION 6, UIC INSPECTION REPORT

UIC Program, P.O. Box 1495, Pawhuska, Oklahoma 74056 (918-287-4041)

30

Inspection Reason: Yr+, statusInventory No.: OS0922Operator Name: Drummond and Hull Oil CompanyAddress: P.O. Box 1268Pawhuska, OK 74056Individual Contacted: welder

Title: \_\_\_\_\_

WELL INFORMATION:Well Name and No.: Blackland #9Location: 1650 FSL; 0990 FWL; NW/4, Sec. 01, T 27N, R 07EWell Type: SWD X ER Dual OtherAuthorization: X Rule Permit None Authorization to Inject: Yes No

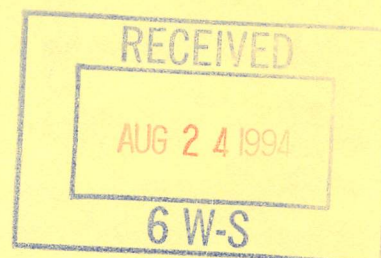
Authorized: Pressure: \_\_\_\_\_ psi Rate: \_\_\_\_\_ BPM

Long String Casing Diameter: 5.5 inches Tubing Diameter: 2.38 inchesBase of Underground Source of Drinking Water: 665 feet subsurfaceCONDITIONS ON INSPECTION DATE:Lease Status: X Active InactiveWell Status: Hooked up for injection? X Yes No Injecting? X Yes NoRequired Fittings: Tubing? X Yes No Annulus? X Yes No Not ApplicableInjection Pressure: 120 psi; How Determined: company guageAnnulus Pressure: mbgtz psi; How Determined: when openedInjection Rate: ? bpd; How Determined: vibrating at pump rate

Static Fluid Level:

Tubing: \_\_\_\_\_ feet subsurface; How Determined: \_\_\_\_\_

Annulus: \_\_\_\_\_ feet subsurface; How Determined: \_\_\_\_\_

Samples Taken: no Photographs Taken: noneObservations: Active well, tubing was taking a vibrating amount of fluid on120#. Annulus had a moderate blow of gas to zero when opened.Mostly sunny, southeast winds at 10 mph, 90F, adequate sign.Inspection Date: 08/19/94 Time: Arrived: 1520 Departed: 1535Inspector: Clarence Edmonson, EPSEvaluation Name: Parvul J. Con Jr Date: 8-25-94Inspection Results: 1 Follow-Up: A Frequency: NRViolation Code: None Reason: Sec



United States Environmental Protection Agency  
Washington, D.C. 20480

ANNUAL DISPOSAL / INJECTION WELL  
MONITORING REPORT

29

Operator: HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE Inventory No: 0922  
Qtr.Section: NW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0990W

Well Activity Type of Permit  
.....  
Enhanced Recovery ☒ Individual  
No. of Wells: \_\_\_\_ | Area

Lease Name  
.....  
BLACKLAND

Well Number  
.....  
9

==== North Quadrant Reporting Form ====

Injection  
Pressure

Total Volume  
Injected

Tubing-Casing Annulus  
Pressure(Optional Monitor)

Month Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 1993	Vacuum	95	33,068			
May 1993	Vacuum	95	31,569			
Jun 1993	Vacuum	95	30,787			
Jul 1993	Vacuum	95	29,837			
Aug 1993	Vacuum	95	28,763			
Sep 1993	Vacuum	95	26,490			
Oct 1993	Vacuum	95	25,973			
Nov 1993	Vacuum	95	25,003			
Dec 1993	Vacuum	95	24,963			
Jan 1994	Vacuum	95	24,947			
Feb 1994	Vacuum	95	22,307			
Mar 1994	Vacuum	95	24,203			

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

Signature

Date Signed

John T. Hull, General Partner

*John T. Hull*

4-28-94





October 3, 2017

Bird Creek - Osage County, Oklahoma

10-9\_OS0922 U161 of 177

United States Environmental Protection Agency  
Washington, D.C. 20480

APR 16 1993

ANNUAL DISPOSAL / INJECTION WELL  
MONITORING REPORTOperator: Drummond & Hull  
P.O. Box 1268  
Pawhuska, OK 74056Owner: Drummond & Hull  
P.O. Box 1268  
Pawhuska, OK 74056

State: OK County: OSAGE

Inventory Number: OS-922

Quarter Section: NW Section: 1 Township: 27 Range: 7

Surface Location: 1450 F&amp;L, 990 F&amp;L

Well Activity Type of Permit Lease Name Well Number

[Brine Disposal/  
Enhanced Oil Recovery]☒ Individual

Blackland

No. of Wells: 1 Area

North Quadrant Reporting Form

INJECTION  
PRESSUREINJECTION VOLUME  
INJECTEDTUBING/CASING  
ANNULUS PRESSURE  
(OPTIONAL MONITOR)

Mth/Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 92	Vacuum	95	38,582	-----	-----	-----
May 92	Vacuum	95	38,597	-----	-----	-----
Jun 92	Vacuum	95	38,112	-----	-----	-----
Jul 92	Vacuum	95	38,131	-----	-----	-----
Aug 92	Vacuum	95	38,111	-----	-----	-----
Sep 92	Vacuum	95	38,167	-----	-----	-----
Oct 92	Vacuum	95	38,487	-----	-----	-----
Nov 92	Vacuum	95	38,237	-----	-----	-----
Dec 92	Vacuum	95	38,126	-----	-----	-----
Jan 93	Vacuum	95	38,369	-----	-----	-----
Feb 93	Vacuum	95	38,387	-----	-----	-----
Mar 93	Vacuum	95	38,507	-----	-----	-----

## CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 C.F.R. §122.22).

Name and Official Title

Signature

Date Signed

John T. Hull, General Partner

John T. Hull

4-14-93



REPORT FORMS PRINTED INCORRECTLY

REPORT PERIOD ENDS MARCH 1993

dmc  
5-4-93

0001 S

United States Environmental Protection Agency  
Washington, D.C. 20480  
ANNUAL DISPOSAL / INJECTION WELL  
MONITORING REPORT

29

Operator: HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: DRUMMOND & HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE

Inventory No: 0922

Qtr. Section: NW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0990W

Well Activity Type of Permit

Lease Name

Well Number

Enhanced Recovery ☒ Individual

Blackland

9

No. of Wells: \_\_\_\_ | \_\_\_\_ Area

==== North Quadrant Reporting Form ====

Injection  
Pressure

Total Volume  
Injected

Tubing-Casing Annulus  
Pressure(Optional Monitor)

Month Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 1991	Vacuum	95	38,503			
May 1991	Vacuum	95	38,488			
Jun 1991	Vacuum	95	38,478			
Jul 1991	Vacuum	95	38,458			
Aug 1991	Vacuum	95	38,539			
Sep 1991	Vacuum	95	38,502			
Oct 1991	Vacuum	95	38,526			
Nov 1991	Vacuum	95	38,561			
Dec 1991	Vacuum	95	38,582			
Jan 1992	Vacuum	95	38,574			
Feb 1992	Vacuum	95	38,580			
Mar 1992	Vacuum	95	38,577			

C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

Signature

Date Signed

John T. Hull, General Partner

*John T. Hull*

4-20-92





United States Environmental Protection Agency  
Washington, D.C. 20480  
ANNUAL DISPOSAL / INJECTION WELL  
MONITORING REPORT

29

Operator: HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: ~~HULL OIL CO~~ DRUMMOND & HULL OIL CO.  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE

Inventory No: 0922

Qtr. Section: NW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0990W

Well Activity Type of Permit  
.....  
Enhanced Recovery ☒ Individual  
No. of wells: ---- ☐ Area

Lease Name Well Number  
.....  
Blackland 9

==== North Quadrant Reporting Form ====

		Injection Pressure		Total Volume Injected	Tubing-Casing Annulus Pressure(Optional Monitor)	
Month Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 1990	Vacuum	95 lbs.	38419	N/A		
May 1990	Vacuum	95 lbs.	38260	N/A		
Jun 1990	Vacuum	95 lbs.	38110	N/A		
Jul 1990	Vacuum	95 lbs.	38675	N/A		
Aug 1990	Vacuum	95 lbs.	38300	N/A		
Sep 1990	Vacuum	95 lbs.	38253	N/A		
Oct 1990	Vacuum	95 lbs.	38294	N/A		
Nov 1990	Vacuum	95 lbs.	38274	N/A		
Dec 1990	Vacuum	95 lbs.	38197	N/A		
Jan 1991	Vacuum	95 lbs.	38285	N/A		
Feb 1991	Vacuum	95 lbs.	38198	N/A		
Mar 1991	Vacuum	95 lbs.	38476	N/A		

C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

Signature

Date Signed

John T. Hull - Owner

*John T. Hull*

4/12/91

21 MAY 1991 ON 5-10

MAILED 20661A BRANCH  
RECEIVED



## 6W-S



October 3, 2017

Bird Creek - Osage County, Oklahoma

10-9\_OS0922

167 of 177

WELL TYPE: (DISPOSAL/EOR)

PERMIT #

WELL STATUS: (NEW/CONVERSION/EXTENSION)

INVENTORY # 05-0922

## MECHANICAL INTEGRITY TEST

COMPANY NAME Hull Oil Co. ADDRESS P.O. Box 1268 Pawhuska, OK. 74056  
 WELL NAME & NO. Blackland #9; 1650 ft. FROM N LINE AND 990 ft. FROM E LINE.  
 LEGAL DESCRIPTION NW /4; Sec. 1; Twp. 27; Rge. 7  
 MAXIMUM AUTHORIZED PRESSURE 697# INJECTION INTERVAL 2547-2570' PACKER DEPTH 2531'

I. DEMONSTRATED NO SIGNIFICANT FLUID MOVEMENT INTO USDW THROUGH ADJACENT WELL BORE CHANNELS:

(YES/NO)

DATE: 2/11/86REVIEWER: S. Johnson

II. NO SIGNIFICANT LEAK IN CASING, TUBING, OR PACKER:

## (A) TUBING-PACKER PRESSURE TEST

WELL: (INJECTING/SHUT-IN) TIME SINCE: SHUT-IN OR INJECTION BEGAN 11:57 AM ANNULUS FILLED 2 wks  
 PRESSURE: TUBING + CASING + LIQUID TYPE: INJECTION SWH ANNULUS SWH  
 ANNULAR FLUID FLOW: (YES/NO) TIME FOR FLOW TO STOP + ESTIMATED FLOW VOLUME + qt.

## (B) CASING-TUBING ANNULUS PRESSURE TEST

TUBING PRESSURE + INJECTION RATE 800 BPD (DURING TEST OR BEFORE SHUT-IN)

TIME

TUBING PRESSURE

ANNULUS PRESSURE

0 MIN

5 MIN

10 MIN

20 MIN

30 MIN

12:35 PM

CASING SIZE 5 1/2" TUBING SIZE 2 7/8" FLOW BACK VOLUME 10 gals.

## (C) ADA PRESSURE TEST

DEPTH TO TOP PERFORATIONS OR OPEN HOLE \_\_\_\_\_ DEPTH TO FLUID LEVEL \_\_\_\_\_  
 FLUID COLUMN HEIGHT \_\_\_\_\_ x SP.GR. \_\_\_\_\_ x .433 = \_\_\_\_\_ PSIG REQUIRED FOR TEST.

MAXIMUM PRESSURE REACHED \_\_\_\_\_

PRESSURE AFTER 5 MINUTES \_\_\_\_\_

PRESSURE AFTER 10 MINUTES \_\_\_\_\_

PRESSURE AFTER 20 MINUTES \_\_\_\_\_

PRESSURE AFTER 30 MINUTES \_\_\_\_\_

## (D) MONTHLY CASING-TUBING MONITORING

SYSTEM (OPEN/CLOSED); FLUID LEVEL ABOVE GL \_\_\_\_\_ PRESSURE \_\_\_\_\_

## (E) TUBING PRESSURE/FLOW RATE MONITORING MONITORING SYSTEM ADEQUATE: (YES/NO)

FLOW RATE \_\_\_\_\_ BPD TUBING PRESSURE \_\_\_\_\_

## (F) RADIOACTIVE TRACER SURVEY

DATA &amp; INTERPRETATION SHOW: (LEAK/NO LEAK)

NATURE &amp; DEPTH OF LEAK: \_\_\_\_\_

## III. REMARKS \_\_\_\_\_

DATE 8/8/90 TEST WITNESSED BY: Archie G. [Signature] (EPA FIELD INSPECTOR)  
[Signature] (COMPANY REPRESENTATIVE)

IV. FROM THE KNOWLEDGE OBTAINED FROM THE ABOVE TESTS, IT IS MY OPINION THAT THIS WELL HAS MECHANICAL INTEGRITY: (YES/NO)

Kw [Signature]  
EPA ENGINEER8-9-90  
DATE

RECEIVED

SEP 05 1990

OSAGE-S  
REGION VI



United States Environmental Protection Agency  
Washington, D.C. 20480

ANNUAL DISPOSAL / INJECTION WELL  
MONITORING REPORT

(29)

Operator: HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: ~~HULL OIL CO~~ Drummond & Hull Oil Co.  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE Inventory No: 0922  
Qtr. Section: NW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0990W

Well Activity Type of Permit Lease Name Well Number  
.....  
Enhanced Recovery ☒ Individual Blackland 9  
No. of Wells: 1 1 Area

==== North Quadrant Reporting Form ====

		Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month Yr		Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 1989		vacuum	95 lbs.	39021	N/A		
May 1989		vacuum	95 lbs.	39120	N/A		
Jun 1989		vacuum	95 lbs.	38758	N/A		
Jul 1989		vacuum	95 lbs.	38985	N/A		
Aug 1989		vacuum	95 lbs.	39231	N/A		
Sep 1989		vacuum	95 lbs.	37968	N/A		
Oct 1989		vacuum	95 lbs.	38689	N/A		
Nov 1989		vacuum	95 lbs.	38170	N/A		
Dec 1989		vacuum	95 lbs.	39125	N/A		
Jan 1990		vacuum	95 lbs.	38765	N/A		
Feb 1990		vacuum	95 lbs.	38924	N/A		
Mar 1990		vacuum	95 lbs.	37950	N/A		

C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

Signature

Date Signed

John T. Hull - Operator

*John T. Hull*

4-24-90

RECEIVED

APR 30 1990

EPA GW-S  
REGION VI

United States Environmental Protection Agency  
Washington, D.C. 20480  
ANNUAL DISPOSAL / INJECTION WELL  
MONITORING REPORT

29

Operator: HULL OIL CO

PO BOX 1268

PAWHUSKA OK 74056

Owner: ~~HULL OIL CO~~ Drummond & Hull Oil Co.

PO BOX 1268

PAWHUSKA OK 74056

State: OK

County: OSAGE

Inventory No: 0922

Qtr. Section: NW Section: 01 Township: 27N Range: 07E Surface Loc: 1650S-0990W

Well Activity Type of Permit

Lease Name

Well Number

Enhanced Recovery ☒ IndividualBlackland

9

No. of Wells:      ☐ Area

## ==== North Quadrant Reporting Form ====

Injection  
PressureTotal Volume  
InjectedTubing-Casing Annulus  
Pressure (Optional Monitor)

Month Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG	Max PSIG
Apr 1988	<u>vacuum</u>	<u>95 lbs.</u>	<u>38,835</u>	<u>N/A</u>	<u>          </u>	<u>          </u>
May 1988	<u>vacuum</u>	<u>95 lbs.</u>	<u>38,795</u>	<u>N/A</u>	<u>          </u>	<u>          </u>
Jun 1988	<u>vacuum</u>	<u>95 lbs.</u>	<u>38,686</u>	<u>N/A</u>	<u>          </u>	<u>          </u>
Jul 1988	<u>vacuum</u>	<u>95 lbs.</u>	<u>38,395</u>	<u>N/A</u>	<u>          </u>	<u>          </u>
Aug 1988	<u>vacuum</u>	<u>95 lbs.</u>	<u>38,621</u>	<u>N/A</u>	<u>          </u>	<u>          </u>
Sep 1988	<u>vacuum</u>	<u>95 lbs.</u>	<u>38,517</u>	<u>N/A</u>	<u>          </u>	<u>          </u>
Oct 1988	<u>vacuum</u>	<u>95 lbs.</u>	<u>38,298</u>	<u>N/A</u>	<u>          </u>	<u>          </u>
Nov 1988	<u>vacuum</u>	<u>95 lbs.</u>	<u>38,790</u>	<u>N/A</u>	<u>          </u>	<u>          </u>
Dec 1988	<u>vacuum</u>	<u>95 lbs.</u>	<u>38,915</u>	<u>N/A</u>	<u>          </u>	<u>          </u>
Jan 1989	<u>vacuum</u>	<u>95 lbs.</u>	<u>38,693</u>	<u>N/A</u>	<u>          </u>	<u>          </u>
Feb 1989	<u>vacuum</u>	<u>95 lbs.</u>	<u>38,841</u>	<u>N/A</u>	<u>          </u>	<u>          </u>
Mar 1989	<u>vacuum</u>	<u>95 lbs.</u>	<u>38,724</u>	<u>N/A</u>	<u>          </u>	<u>          </u>

## C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title

Signature

Date Signed

John T. Hull - operatorJohn T. Hull4-28-89

✓ DB



RECEIVED

MAY 8 1989

EPA 6W-S  
REGION VI

Blackburn

XX

vacuum	92 lbs.	38,832	N/A
vacuum	92 lbs.	38,792	N/A
vacuum	92 lbs.	38,686	N/A
vacuum	92 lbs.	38,392	N/A
vacuum	92 lbs.	38,221	N/A
vacuum	92 lbs.	38,217	N/A
vacuum	92 lbs.	38,298	N/A
vacuum	92 lbs.	38,790	N/A
vacuum	92 lbs.	38,712	N/A
vacuum	92 lbs.	38,693	N/A
vacuum	92 lbs.	38,601	N/A
vacuum	92 lbs.	38,724	N/A

98-85-5

John T. Hull - operator

88

## EPA/UIC INSPECTION REPORT

dmc  
2-2-89

Inspection Type NPI  
Inspection Frequency status  
Violation Code \_\_\_\_\_

ACNR  
30

Inventory No. 0922  
Authorization \_\_\_\_\_  
Authorized to Inject \_\_\_\_\_

Company/Operator John T. Hull  
Business Address P.O. Box 1268 Pawhuska, OK 74056  
Individual Contacted none Title \_\_\_\_\_  
Lease Name & Well No. Blackland #9  
Legal Description 1650 'F' <sup>N</sup> <sub>S</sub> 0990 'F' <sup>E</sup> <sub>W</sub> NN / 4 Sec. 01 T 27 N R 07 E  
Well Information: SWD/ER, Active/TA/P&A  
Authorized Injection: Pressure \_\_\_\_\_ Rate \_\_\_\_\_  
Long String Casing Size 5.50" Tubing Size 9

## Report of Conditions as of this Date:

Lease: Active/Inactive Well hooked up for injection: Yes/No  
Injecting at time of inspection: Yes/No  
Required fittings on tubing and casing/tubing annulus: Yes/No/Not Applicable  
Injection Pressure 260 psig; How Determined Co. gauge  
Annular Pressure ?; How Determined \_\_\_\_\_  
Injection Rate ?; How Determined \_\_\_\_\_  
Well plugged at Surface: Yes/No/Undetermined  
Samples Taken no Photographs Taken none

## Description of wellhead hookup and injection facility:

active injector, annulus is shut-in, tubing was vibrating ~1/4" under injection pressure, company gauge indicates 260 psig.

Weather Conditions and Observations clear, south wind @ 15 mph, 56°F,  
wrong # on sign. Should be well #9, sign indicates 25. No  
owner shown.

REGION VI  
FEB 1 1989  
5:40 PM

Inspection Date 01/31/89 Time Arrived 1030 Departed 1100  
Field Inspector Blaine E. [signature]  
EPA Reviewer Paul J. [signature] Date 2/2/89



Donna  
29

United States Environmental Protection Agency  
Washington, D.C. 20480  
ANNUAL DISPOSAL / INJECTION WELL  
MONITORING REPORT

.....**DRUMMOND & HULL OIL COMPANY**.....

Operator: HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

Owner: ~~HULL OIL CO~~  
PO BOX 1268  
PAWHUSKA OK 74056

State: OK County: OSAGE Inventory No: 0922  
Qtr. Section: NW Section: 01 Township: 27 Range: 07 Surface Location: 1650S0990W

Well Activity	Type of Permit	Lease Name	Well Number
.....	.....	.....	.....
Enhanced Recovery	<input checked="" type="checkbox"/> Individual	<u>Blackland</u>	9
No. of Wells: ____	<input type="checkbox"/> Area		

## ==== North Quadrant Reporting Form ====

Injection Pressure		Total Volume Injected		Tubing-Casing Annulus Pressure (Optional Monitor)	
Month Yr	Avg PSIG	Max PSIG	BBL	MCF	Min PSIG Max PSIG
Apr 1987	vacuum	95 lbs.	38,200	N/A	-----
May 1987	vacuum	95 lbs.	38,242	N/A	-----
Jun 1987	vacuum	95 lbs.	37,912	N/A	-----
Jul 1987	vacuum	95 lbs.	38,526	N/A	-----
Aug 1987	vacuum	95 lbs.	37,978	N/A	-----
Sep 1987	vacuum	95 lbs.	37,765	N/A	-----
Oct 1987	vacuum	95 lbs.	37,825	N/A	-----
Nov 1987	vacuum	95 lbs.	38,523	N/A	-----
Dec 1987	vacuum	95 lbs.	38,115	N/A	-----
Jan 1988	vacuum	95 lbs.	38,920	N/A	-----
Feb 1988	vacuum	95 lbs.	38,630	N/A	-----
Mar 1988	vacuum	95 lbs.	38,715	N/A	-----

## C E R T I F I C A T I O N

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. (Ref. 40 CFR 122.22).

Name and Official Title	Signature	Date Signed
John T. Hull - operator	<i>John T. Hull</i>	4-19-88

RECEIVED

APR 25 1988

EPA GW-S  
REGION VIDRB  
4/28/88



DRB  
5-1-87  
(29)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON DC 20480  
ANNUAL DISPOSAL/INJECTION WELL  
MONITORING REPORT

OPERATOR: HULL OIL CO  
PO BOX 1268  
PAWHUSKA OK 74056

OWNER: ~~HULL OIL CO~~ Drummond & Hull Oil Co.  
PO BOX 1268  
PAWHUSKA OK 74056

STATE: OK COUNTY: OSAGE INVENTORY NO: 0922  
QTR. SECTION: NW SECTION: 01 TOWNSHIP: 27 RANGE: 07 SURFACE LOCATION: 1650S0990W

WELL ACTIVITY	TYPE OF PERMIT	LEASE NAME	WELL NUMBER
ENHANCED RECOVERY <input checked="" type="checkbox"/> INDIVIDUAL	<input checked="" type="checkbox"/> AREA	<u>Blackland</u>	9
NO. OF WELLS: _____			

\*\* NORTH QUADRANT REPORTING FORM \*\*

		INJECTION PRESSURE	TOTAL VOLUME INJECTED	TUBING-CASING ANNULUS PRESSURE (OPTIONAL MONITOR)
MONTH	YR	AVG PSIG	BBL	MCF
** 04-86 **		vacuum	95 lbs.	38,128
** 05-86 **		vacuum	95 lbs.	38,560
** 06-86 **		vacuum	95 lbs.	37,950
** 07-86 **		vacuum	95 lbs.	38,650
** 08-86 **		vacuum	95 lbs.	37,850
** 09-86 **		vacuum	95 lbs.	38,025
** 10-86 **		vacuum	95 lbs.	38,425
** 11-86 **		vacuum	95 lbs.	37,850
** 12-86 **		vacuum	95 lbs.	38,897
** 01-87 **		vacuum	95 lbs.	37,985
** 02-87 **		vacuum	95 lbs.	37,320
** 03-87 **		vacuum	95 lbs.	38,125

C E R T I F I C A T I O N

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. (REF. 40 CFR 122.22).

NAME AND OFFICIAL TITLE

SIGNATURE

DATE SIGNED

John T. Hull- operator

John T. Hull RECEIVED

4-24-87

APR 28 1987

EPA 6W-S  
REGION VI



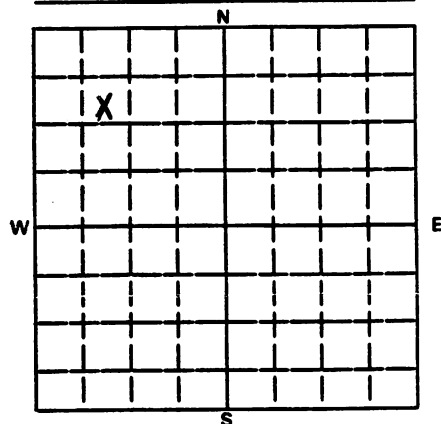

 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 WASHINGTON, DC 20460

**ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT**
**NAME AND ADDRESS OF EXISTING PERMITTEE**

 Drummond & Hull Oil Co.  
 John T. Hull-operator  
 P. O. Box 1268, Pawhuska, Oklahoma 74056

**NAME AND ADDRESS OF SURFACE OWNER**

 J.A. Chapman and H.G. Barnard  
 ATTN: Mr. Bell  
 P. O. Box 3209, Tulsa, Oklahoma 74101

**LOCATE WELL AND OUTLINE UNIT ON  
SECTION PLAT — 640 ACRES**


STATE

OK

COUNTY

Osage

EPA ASSIGNED FORM #

0922

**SURFACE LOCATION DESCRIPTION**

SE ¼ OF NW ¼ OF NW ¼ SECTION 1 TOWNSHIP 27 RANGE 7E

**LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT**

 Surface Location 1650 ft. from (N/S) S. Line of quarter section  
 and 990 ft. from (E/W) W. Line of quarter section

**WELL ACTIVITY**

- ☒ Brine Disposal  
☐ Enhanced Recovery  
☐ Hydrocarbon Storage

**TYPE OF PERMIT**

- ☒ Individual  
☐ Area  
 Number of Wells 1

Lease Name Blackland

Well Number 9

**REPORTING FORM FOR NORTH QUADRANT ONLY**

INCLUDE WELLS IN TOWNSHIP 29N, 28N, and 27N

**INJECTION PRESSURE**
**TOTAL VOLUME INJECTED**
**TUBING — CASING ANNULUS PRESSURE  
(OPTIONAL MONITORING)**

MONTH	YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
APRIL	- 85	vacuum	95 lbs.	38,375	N/A	-----	-----
MAY	- 85	vacuum	95 lbs.	38,954	N/A	-----	-----
JUNE	- 85	vacuum	95 lbs.	38,574	N/A	-----	-----
JULY	- 85	vacuum	95 lbs.	38,755	N/A	-----	-----
AUG	- 85	vacuum	95 lbs.	38,124	N/A	-----	-----
SEPT	- 85	vacuum	95 lbs.	38,562	N/A	-----	-----
OCT	- 85	vacuum	95 lbs.	38,293	N/A	-----	-----
NOV	- 85	vacuum	95 lbs.	38,302	N/A	-----	-----
DEC	- 85	vacuum	95 lbs.	38,826	N/A	-----	-----
JAN	- 86	vacuum	95 lbs.	38,215	N/A	-----	-----
FEB	- 86	vacuum	95 lbs.	38,195	N/A	-----	-----
MARCH	- 86	vacuum	95 lbs.	38,450	N/A	-----	-----

**CERTIFICATION**

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE (Please type or print)

John T. Hull-operator

SIGNATURE

DATE SIGNED

4-16-86

 RECEIVED  
 APR 18 1986  
 EPA OHS  
 REGION VI

INJECTION: PRESSURE vac psi: RATE 9.50 (BBIs/D) (During injection or just prior to shut-in)

## TUBING PRESSURE

0  
0  
0  
0  
0

## ANNULUS PRESSURE

300  
310  
310  
310  
310

## TIME

at 0 MINUTES 11:30  
at 5 " 11:35  
at 10 " 11:40  
at 20 " 11:50  
at 30 " 12:00

RESULTS: (PASS/FAIL) - If results are not obvious, repeat above test. If annulus pressure fails to hold, Shut down and reschedule test after appropriate repairs have been completed.

## (C) CASING PRESSURE TEST

PROCEDURE: (1) With the wellhead and bottom of casing sealed, fill casing with liquid and allow several hours for temperatures to stabilize (2) Pressure casing to at least 200 psi (3) observe and record pressure for 30 minutes.

TEST WITNESSED BY:

(COMPANY REPRESENTATIVE)

(EPA FIELD INSPECTOR)

DATE:

DATA RECORDED BY:

INITIAL PRESSURE: \_\_\_\_\_ psi PRESSURE AFTER 30 MINUTES \_\_\_\_\_ psi

RESULTS: (PASS/FAIL) - If fail, shut down and reschedule test after appropriate repairs have been completed.

## (D) MONTHLY CASING-TUBING MONITORING

PROCEDURE: (1) Maintain a positive pressure of 5 to 10 psi and monitor annulus pressure monthly.

Annual Report Data:

YEAR	INJECTION PRESSURE RANGE	ANNULUS PRESSURE RANGE	REMEDIAL ACTIONS TAKEN	REVIEWED BY	DATE

## (E) MONITORING INJECTION PRESSURE AND FLOW RATE RELATIONSHIP

PROCEDURE: (1) Perform initial pressure test (B), (2) Determine the initial well injectivity, (3) monitor the injection pressure and flow rate monthly.

DATE	FLOW RATE (BPD)	INJECTION PRESSURE	INJECTIVITY (BPD/psi)	REVIEWED BY	DATE

## (F) RADIOACTIVE TRACER SURVEY

Data and interpretation show: Leaks in casing \_\_\_\_\_ tubing \_\_\_\_\_ packer \_\_\_\_\_  
No leaks in casing \_\_\_\_\_ tubing \_\_\_\_\_ packer \_\_\_\_\_

RESULTS: (PASS/FAIL) - If fail, shut down and reschedule test after appropriate repairs are made.

## III. REMARKS

Operator request well  
T/R tubing operator is  
aware of consequence.

IV. From the knowledge obtained from the above tests, it is my opinion that this well has mechanical integrity: (YES/NO)

John J. Duff  
(COMPANY REPRESENTATIVE)

Leonard Cox  
(EPA FIELD INSPECTOR)

8/19/85  
(DATE)



FORM OR PERMIT # 0922  
DATE OF PERMIT \_\_\_\_\_

## MECHANICAL INTEGRITY TESTS

COMPANY NAME Drummond & Hull Oil Co  
 ADDRESS Box 1268  
 CITY AND STATE Pawhuska, OK 74056  
 LEASE NAME \_\_\_\_\_ WELL NO. 95 SW d  
 LEGAL DESCRIPTION 1650 ft. from S line of  
990 ft. from W line of NW 1/4 of #1 SECTION  
 TOWNSHIP 27 RANGE 7  
 SALT WATER DISPOSAL WELL \_\_\_\_\_ ENHANCED RECOVERY WELL \_\_\_\_\_  
 MAXIMUM PRESSURE AUTHORIZED \_\_\_\_\_ psi INJECTION INTERVAL \_\_\_\_\_ ft  
 NEW WELL \_\_\_\_\_ CONVERSION \_\_\_\_\_ EXISTING \_\_\_\_\_ PACKER DEPTH \_\_\_\_\_ ft  
 DATE OF LAST INSPECTION \_\_\_\_\_

I. No significant fluid movement into a USDW through channels adjacent to well bore:

Pending  
 Demonstration Adequate: (YES/NO) \_\_\_\_\_ Date: \_\_\_\_\_  
 Method Used: (CHECK ONE OR MORE) \_\_\_\_\_ Reviewer: \_\_\_\_\_  
 \_\_\_\_\_ Cementing Records  
 \_\_\_\_\_ Tracer Survey (in conjunction with another method)  
 \_\_\_\_\_ Temperature Log  
 \_\_\_\_\_ Noise Log  
 \_\_\_\_\_ Other Acceptable Method (Specify) \_\_\_\_\_

II. No significant leak in casing, tubing or packer:

METHOD(S) USED:

## (A) TUBING-PACKER PRESSURE TESTS

PROCEDURE: (1) Fill annulus with liquid and allow at least 2 hours for temperatures to stabilize (2) while injecting at maximum or average injection pressure, observe and record injection and annulus pressure, or liquid flow.

TEST WITNESSED BY: \_\_\_\_\_ (COMPANY REPRESENTATIVE) \_\_\_\_\_ (EPA FIELD INSPECTOR)

DATE: \_\_\_\_\_

DATE RECORDED BY: \_\_\_\_\_

TIME SINCE: INJECTION BEGAN \_\_\_\_\_ (hrs/days) ANNULUS FILLED \_\_\_\_\_ (hrs/days)

ACTUAL INJECTION PRESSURE \_\_\_\_\_ psi  
 CASING-TUBING ANNULUS PRESSURE \_\_\_\_\_ psi  
 WATER FLOWED FROM ANNULUS (YES/NO) \_\_\_\_\_  
 FLOW: ESTIMATED VOLUME \_\_\_\_\_ Gals; TIME FOR FLOW TO STOP \_\_\_\_\_ Mins

RESULTS: (PASS/FAIL) - If fail, shut down and reschedule test after appropriate repairs have been completed.

## (B) CASING-TUBING ANNULUS PRESSURE TEST

PROCEDURE: (1) Top off annulus with liquid, if more than 100 gallons are required, allow at least 2 hours for temperatures to stabilize, (2) pressure annulus to at least 200 psi, (3) observe and record injection tubing pressure and annulus pressure simultaneously for at least 30 minutes. (Note: This test may be run while well is shut-in or injecting. If injecting, must maintain a minimum of 100 psi difference between injection and annulus pressures throughout the tubing length).

TEST WITNESSED BY: T. Hull (COMPANY REPRESENTATIVE) H. Cox (EPA FIELD INSPECTOR)DATE: 8/19/85

DATE RECORDED BY: \_\_\_\_\_

WELL: (INJECTING/SHUT-IN): HOW LONG SINCE SHUT-IN 15 min 3 days (hrs/days)NATURE OF LIQUID: INJECTION LIQUID sea water ANNULUS LIQUID seawater + fresh water  
flame make



# ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

## NAME AND ADDRESS OF EXISTING PERMITTEE

Drummond &amp; Hull Oil Co.

John T. Hull-operator

P.O.Box 1268, Pawhuska, OK 74056

## NAME AND ADDRESS OF SURFACE OWNER

J.A. Chapman and H.G. Barnard

ATTN.: Mr. Bell

P.O.Box 3209, Tulsa, Okla. 74101

LOCATE WELL AND OUTLINE UNIT ON  
SECTION PLAT — 640 ACRES

STATE

Okla.

COUNTY

OSAGE

PERMIT NUMBER

0922

## SURFACE LOCATION DESCRIPTION

SE 1/4 OF NW 1/4 OF NW 1/4 SECTION 1 TOWNSHIP 27 N RANGE 7E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface Location 1650

ft. from (N/S) S Line of quarter section

and 990

ft. from (E/W) W Line of quarter section

## WELL ACTIVITY

☒ Brine Disposal☐ Enhanced Recovery☐ Hydrocarbon Storage

## TYPE OF PERMIT

☒ Individual☐ Area

Number of Wells 1

Lease Name Blackland

Well Number 9

## INJECTION PRESSURE

## TOTAL VOLUME INJECTED

TUBING — CASING ANNULUS PRESSURE  
(OPTIONAL MONITORING)

MONTH	YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG
1	/ 85	85 lbs.	95 lbs.	36,624	N/A	-----	-----
2	/ 85	85 lbs.	95 lbs.	35,056	N/A	-----	-----
3	/ 85	85 lbs.	95 lbs.	38,812	N/A	-----	-----

## CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE (Please type or print)

John T. (Tom) Hull-operator

SIGNATURE

DATE SIGNED

4-18-85